REYNOLDS ARCHITECTURAL ALUMINUM

REYNOLDS METALS COMPANY
LOUISVILLE, KENTUCKY

A. I. A. FILE NO. 15

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All sections shown are available without die charge.

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All sections shown are available without die charge.

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March 30, 1953. Supersedes All Previous Data.

NUMERICAL DIE INDEX:

All sections shown are available without die charge.

Dies Listed Numerically by Section Number.

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7	83	545	16	1291	69	1560	72	1773	16	1964	72	2216	75
9	83	547	16	1295	66	1562	72	1780	73	1966	72	2237	79
11	83	548	16	1297	68	1583	72	1786	72	1974	72	2255	22
12	83	549	16	1298	66	1584	73	1787	72	1982	73	2278	77
15	83	563	18	1314	74	1585	73	1788	72	1995	83	2280	76
19	83	591	74	1316	76	1591	72	1790	72	2001	72	2284	18
21	83	621	61	1320	74	1592	72	1792	73	2002	72	2318	74
24	83	651	76	1347	82	1594	73	1793	72	2007	72	2362	75
28	84	653	78	1357	81	1615	72	1802	76	2008	16	2363	74
30	84	674	80	1358	81	1616	72	1803	18	2018	78	2367	74
31	84	685	79	1362	53	1620	72	1804	18	2023	84	2373	76
32	84	697	67	1364	67	1636	84	1805	76	2036	72	2379	74
33	84	711	68	1367	78	1639	84	1806	76	2037	72	2381	76
34	84	712	68	1397	78	1640	84	1807	72	2038	17	2382	74
47	76	747	72	1403	16	1683	72	1808	72	2044	72	2386	74
49	74	780	16	1427	16	1684	17	1809	72	2045	73	2423	81
118	74	782	17	1436	72	1686	72	1810	72	2048	72	2426	68
121	74	786	76	1437	17	1688	72	1812	73	2052	17	2428	68
122	74	787	79	1447	73	1689	84	1813	73	2053	17	2450	66
127	76	788	78	1450	72	1693	72	1814	73	2055	74	2453	67
131	76	792	16	1453	72	1694	16	1820	76	2058	72	2455	70
137	81	793	16	1464	72	1696	17	1822	74	2059	80	2463	66
144	83	813	83	1469	17	1700	72	1823	72	2062	16	2466	82
146	84	831	68	1480	80	1701	72	1828	72	2066	16	2510	80
148	83	877	76	1493	73	1715	72	1839	76	2071	80	2521	66
152	84	925	16	1495	16	1720	73	1840	74	2072	80	2522	70
308	74	954	83	1496	72	1721	72	1846	18	2079	20	2523	68
322	20	965	18	1497	16	1722	72	1848	72	2080	20	2544	74
344	83	988	19	1500	72	1725	73	1863	20	2086	74	2546	73
351	78	1028	75	1501	17	1730	30	1866	20	2087	72	2566	75
370	18	1048	68	1508	72	1733	17	1873	84	2105	72	2577	75
371	18	1049	81	1509	72	1738	72	1874	84	2143	18	2578	68
513	75	1082	72	1512	72	1746	72	1876	84	2146	76	2581	66
525	74	1102	22	1524	72	1747	72	1897	84	2149	18	2599	78
529	72	1104	74	1526	20	1753	72	1901	84	2155	18	2600	22
535	16	1154	79	1529	72	1754	16	1903	84	2156	19	2601	74
536	16	1161	73	1530	72	1755	16	1906	20	2163	74	2608	83
537	16	1170	61	1531	72	1757	73	1907	80	2164	74	2625	79
538	16	1210	78	1536	17	1759	84	1911	72	2169	79	2641	78
539	16	1213	81	1537	72	1764	72	1926		2178	75	2642	22
540	16	1263	83	1552	72	1766	73	1947	83	2182	75	2643	78
541	16	1269	19	1553	72	1768	72	1950	83	2189	72	2644	78
542	16	1277	69	1555	72	1769	17	1953	83	2197	73	2645	22
543	16	1280	70	1557	72	1771	72	1956	83	2198	73	2646	78
544	16	1289	69	1559	72	1772	16	1959	83	2205	16	2647	78

COLOR LEGEND

Red Numbers - Indicate Warehouse Items
Black Numbers - Indicate NonWarehouse Item

March 30, 1953. Supersedes All Previous Data.

NUMERICAL DIE INDEX:(Cont'd)

All sections shown are available without die charge.

Dies Listed Numerically by Section Number.

Section No.	P	Section No.	P	Section No.	P	Section No.	P	Section No.	P	Section No.	P	Section No.	P
2649	22	3018	81	3357	81	3685	3	3978	77	4189	77	4408	78
2652	79	3026	81	3360	75	3686	3	3979	75	4190	77	4409	76
2653	79	3045	78	3380	82	3687	3	3983	75	4206	78	4427	75
2654	79	3057	75	3396	75	3688	53	3984	77	4213	78	4437	76
2655	79	3062	82	3419	82	3689	53	3985	75	4214	78	4439	78
2668	75	3065	81	3422	75	3690	53	3991	75	4219	78	4442	76
2673	77	3066	72	3431	78	3691	53	3992	75	4243	78	4453	73
2674	81	3067	72	3436	74	3692	53	3993	77	4248	77	4455	78
2691	67	3073	74	3437	74	3695	73	3995	77	4250	81	4479	79
2694	76	3092	75	3441	81	3701	73	3996	76	4251	81	4484	79
2695	74	3103	73	3450	19	3704	2	3998	74	4252	77	4486	79
2696	74	3122	76	3456	78	3711	65	4002	75	4254	81	4513	81
2697	74	3123	65	3458	83	3712	65	4003	75	4260	76	4514	74
2698	76	3124	14	3459	83	3714	56	4004	75	4261	76	4524	81
2706	82	3126	53	3471	71	3715	56	4005	75	4263	78	4529	81
2711	81	3127	53	3505	81	3716	56	4006	77	4269	72	4553	81
2736	81	3128	53	3507	19	3717	56	4008	79	4270	81	4554	79
2737	66	3129	56	3517	83	3718	56	4011	16	4275	73	4567	72
2746	81	3132	14	3518	74	3720	56	4016	79	4279	79	4568	76
2763	75	3133	14	3534	73	3723	82	4062	76	4290	82	4574	75
2815	67	3134	56	3562	18	3724	82	4064	75	4291	82	4576	79
2837	81	3149	50	3563	18	3741	79	4065	77	4299	72	4577	75
2838	70	3163	78	3578	78	3742	79	4066	74	4303	78	4578	75
2843	69	3164	82	3599	76	3743	79	4067	79	4304	22	4583	78
2848	83	3175	50	3610	78	3753	72	4073	81	4306	81	4584	81
2850	69	3176	51	3629	16	3785	78	4074	76	4307	74	4590	75
2864	66	3182	70	3641	50	3796	2	4078	81	4308	77	4607	22
2871	77	3190	72	3643	50	3797	51	4079	81	4310	72	4613	22
2877	79	3219	81	3645	50	3798	2	4085	74	4311	73	4616	81
2896	79	3230	53	3646	50	3799	51	4086	74	4312	73	4620	79
2911	78	3241	78	3650	1	3800	51	4087	74	4313	72	4630	18
2927	81	3244	77	3651	1	3829	77	4088	74	4328	81	4632	12
2942	81	3246	74	3656	72	3830	77	4089	74	4332	4	4635	74
2956	78	3256	75	3657	78	3832	72	4093	76	4335	81	4641	73
2958	76	3257	81	3658	79	3846	82	4157	81	4339	78	4673	50
2960	69	3274	76	3659	74	3880	78	4160	75	4340	19	4691	12
2961	69	3281	69	3660	74	3888	81	4161	81	4372	62	4694	5
2962	70	3282	81	3661	22	3909	57	4164	76	4373	62	4695	61
2973	75	3301	76	3662	1	3910	55	4165	75	4374	63	4696	22
2974	70	3304	78	3663	1	3911	55	4180	75	4375	63	4704	78
2976	67	3309	83	3670	50	3914	55	4181	77	4376	63	4713	82
2980	67	3313	80	3671	50	3918	73	4182	75	4377	62	4721	79
2993	79	3338	81	3673	79	3930	19	4185	75	4378	62	4742	79
2995	78	3346	76	3683	53	3947	65	4186	77	4391	19	4744	78
2997	79	3347	72	3684	53	3948	10	4187	75	4393	19	4748	76

COLOR LEGEND

Red Numbers - Indicate Warehouse Items
Black Numbers - Indicate NonWarehouse Item

March 30, 1953. Supersedes All Previous Data.

NUMERICAL DIE INDEX: (Cont'd)

All sections shown are available without die charge.

Dies Listed Numerically by Section Number

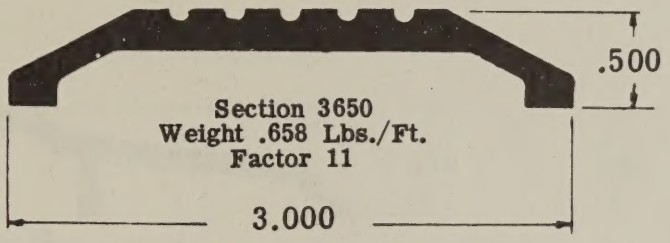
Section No.	P	Section No.	P	Section No.	P	Section No.	P	Section No.	P	Section No.	P	Section No.	P
4750	68	5177	82	5548	81	6252	73	6650	84	6825	76	7177	73
4752	81	5190	10	5554	78	6282	83	6651	83	6839	72	7178	72
4754	78	5191	14	5555	81	6315	73	6652	84	6862	84	7258	20
4763	68	5192	2	5565	74	6316	73	6653	84	6889	84	7881	4
4775	78	5283	76	5566	74	6331	84	6654	84	6894	83	7882	6
4780	79	5320	82	5567	74	6336	84	6655	84	6947	84	7883	1
4782	74	5344	74	5568	74	6343	72	6661	84	6975	84	7884	4
4783	74	5360	79	5569	22	6391	84	6667	84	6979	84	7885	6
4788	75	5361	74	5616	74	6437	72	6668	78	6980	73	7886	15
4792	81	5362	74	5640	22	6438	72	6669	78	7009	72	7887	15
4813	72	5363	74	5641	74	6439	84	6670	72	7047	72	7888	20
4879	75	5364	76	5656	74	6441	72	6672	74	7065	83	7889	18
4883	81	5406	76	5665	74	6448	83	6727	83	7066	84	7890	18
4886	66	5435	78	5786	74	6467	84	6730	72	7078	84	7891	18
4887	77	5442	72	5808	74	6468	84	6733	76	7087	83	7892	19
4919	59	5443	74	5953	82	6495	83	6739	78	7089	83	7893	19
4920	59	5444	74	5954	83	6535	72	6743	72	7095	72	7894	19
4921	59	5445	76	6003	84	6537	72	6754	80	7097	72	7895	20
4922	59	5460	78	6004	84	6538	73	6755	83	7098	72	7896	21
4930	81	5461	74	6005	84	6556	72	6759	72	7099	72	7897	21
5002	83	5497	18	6006	84	6574	72	6760	72	7100	72	7898	21
5003	83	5517	76	6017	74	6595	72	6777	72	7102	83	7899	21
5020	81	5532	72	6034	84	6596	72	6778	72	7159	72	7900	21
5109	76	5537	20	6078	74	6597	72	6797	72	7160	72	7901	21
5175	22	5540	19	6130	72	6598	72	6808	72	7161	72	7902	21
												7903	21
												7932	18
												7979	22
												7980	22

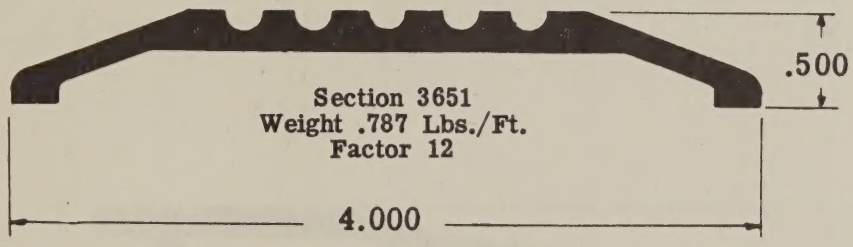
COLOR LEGEND

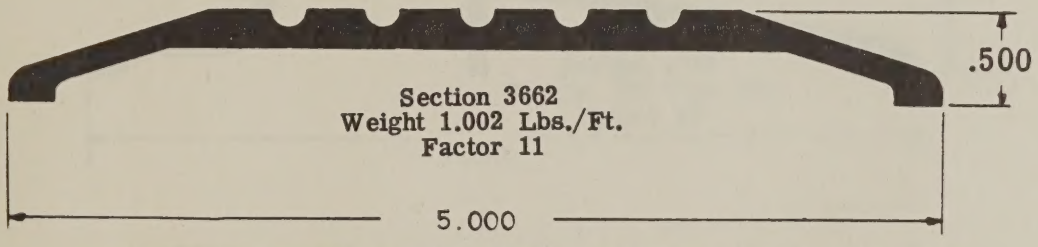
Red Numbers - Indicate Warehouse Items
Black Numbers - Indicate NonWarehouse Item

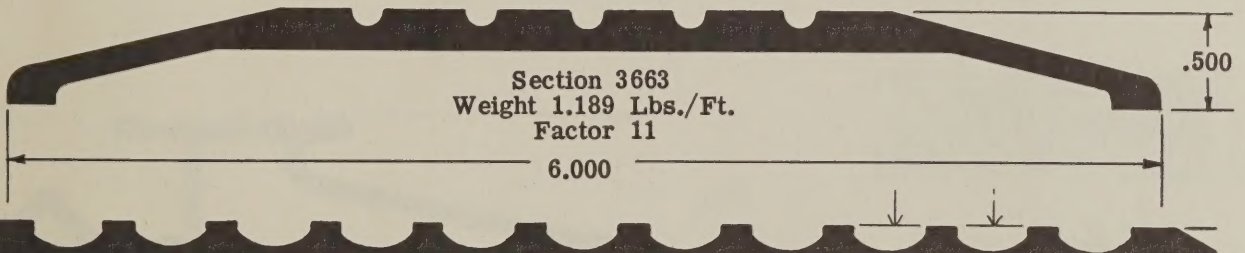
March 30, 1953. Supersedes All Previous Data.

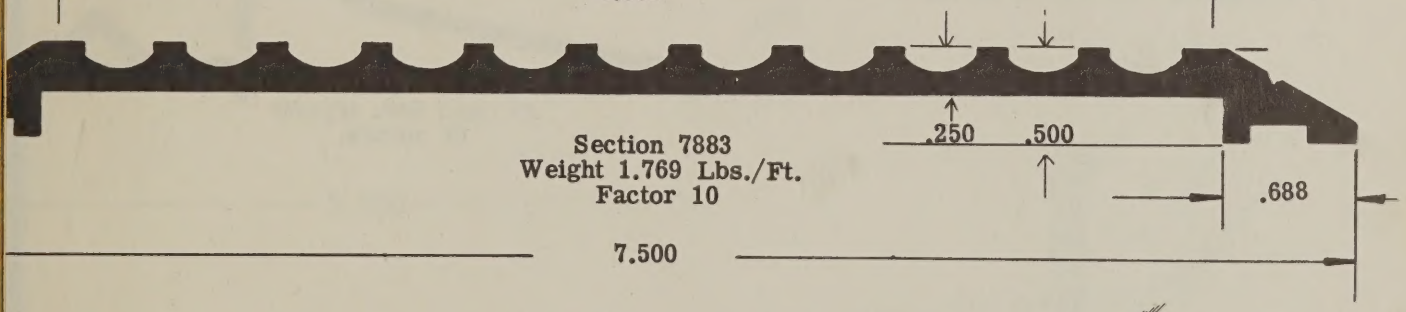
THRESHOLDS





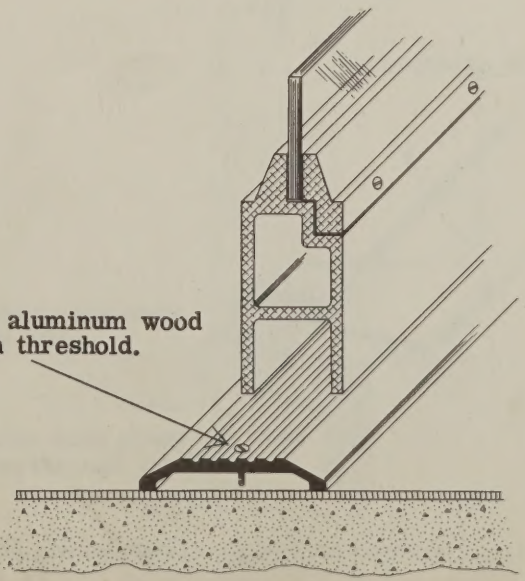




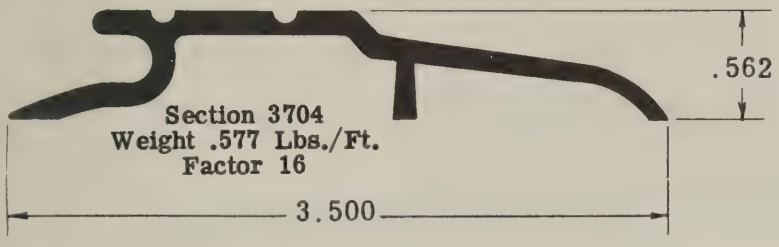


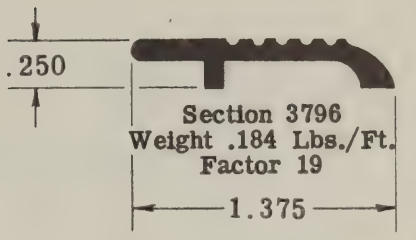
This illustration shows suggested use of Reynolds Architectural Aluminum. Note that Reynolds furnishes mill products only . . . see your fabricators for finished assemblies.

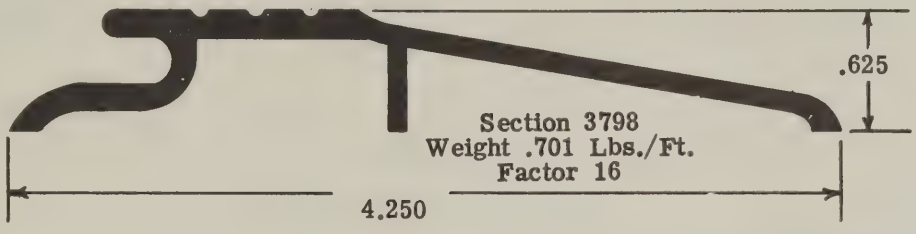
ge 50 for additional non-warehouse items.
eneral specifications, see pages 91, 92 & 93.
& Temper 63S-T5 Standard Lengths 16'-3 in.

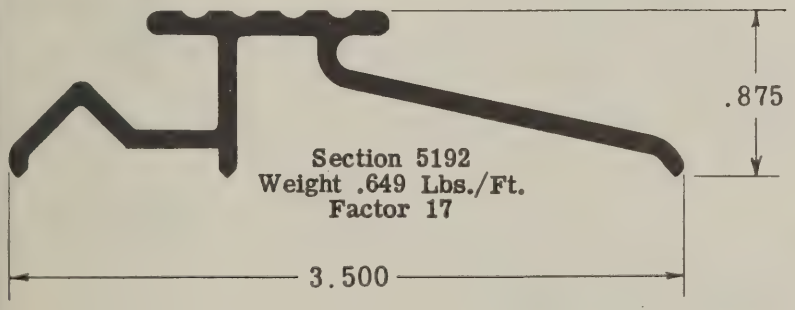


WEATHER STRIPPING THRESHOLD SECTIONS

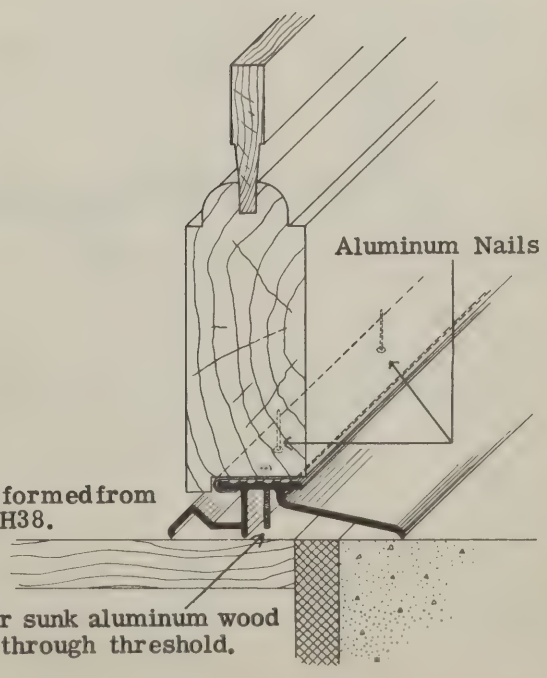








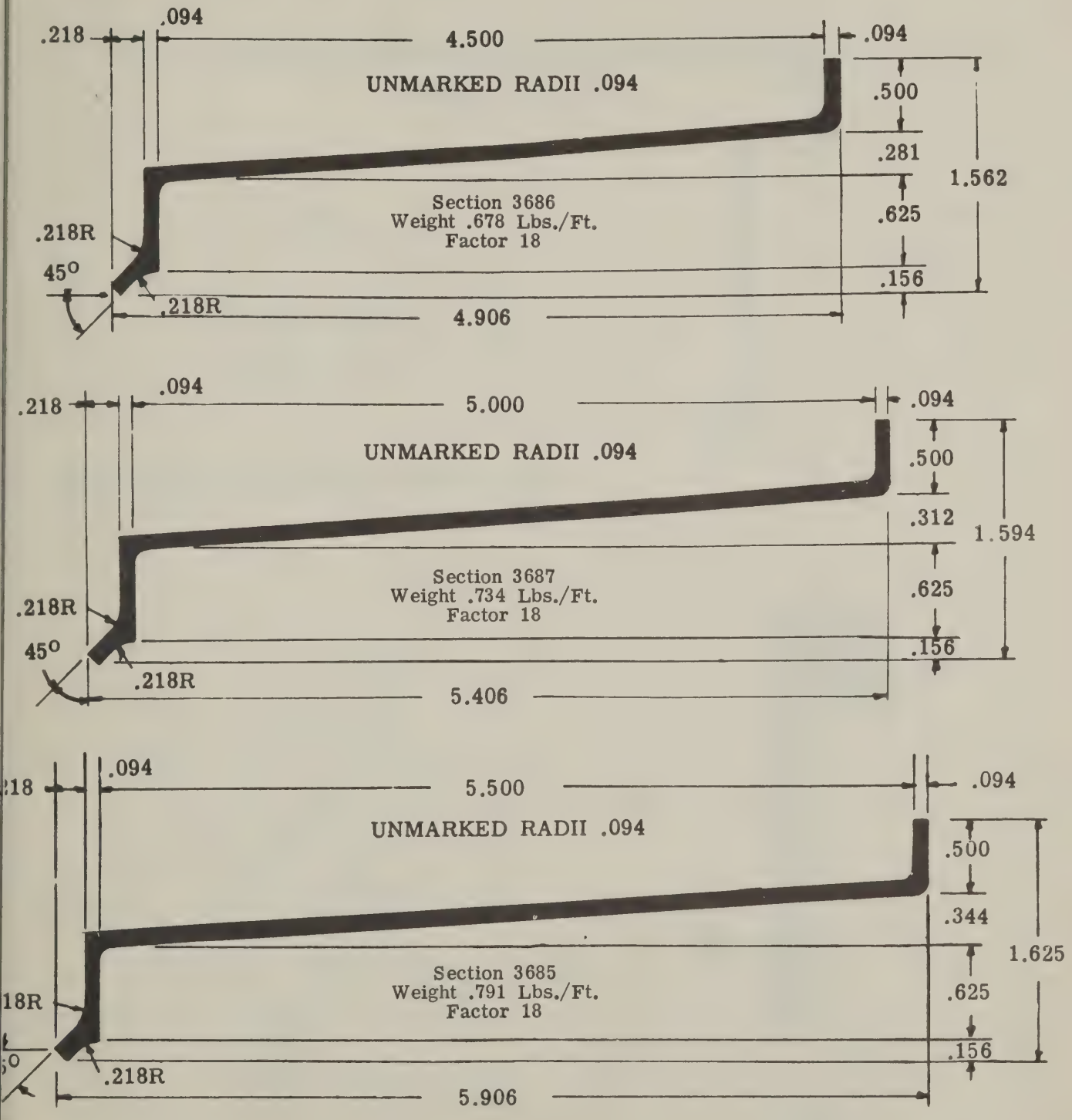
This illustration shows suggested use of Reynolds Architectural Aluminum. Note that Reynolds furnishes mill products only . . . see your fabricators for finished assemblies.


Aluminum Nails
Aluminum weatherstrip formed from .016 " sheet alloy 52S-H38.
Counter sunk aluminum wood screw through threshold.

See page 51 for additional non-warehouse items.
For general specificiations, see pages 91, 92 & 93.
Alloy & Temper 63S-T5 Standard Lengths 16'-3 in.

March 30, 1953. Supersedes All Previous Data.

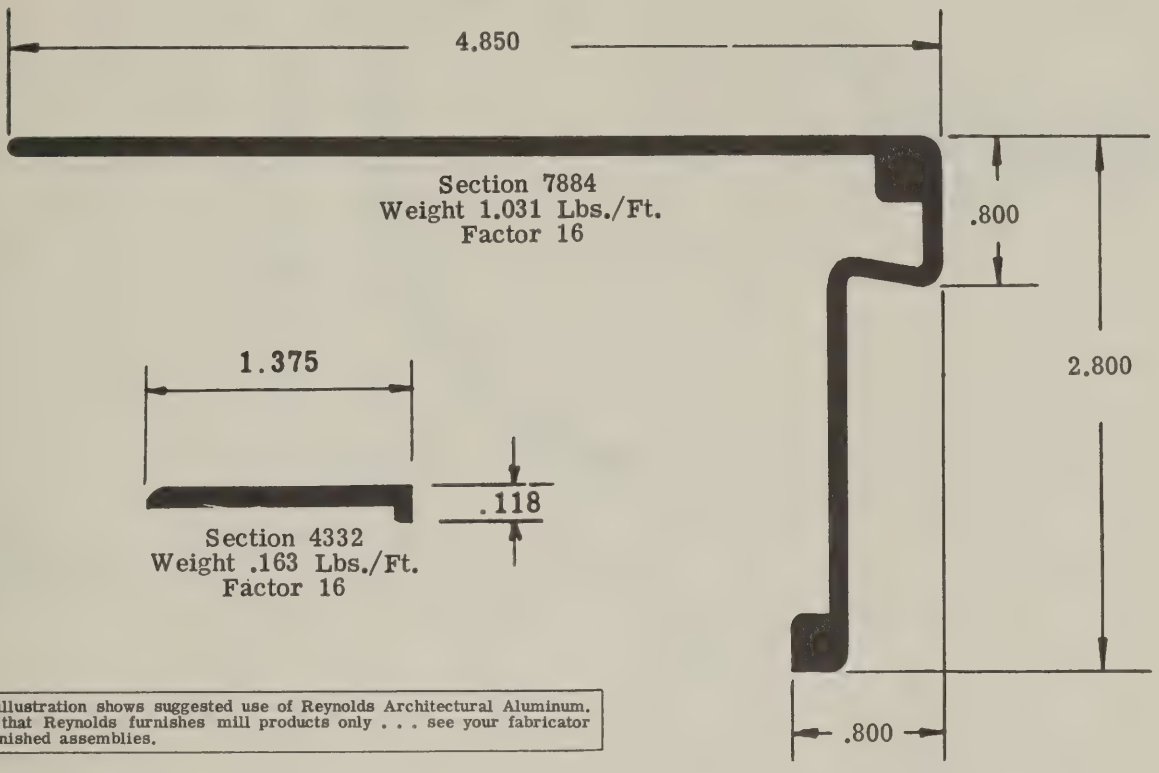
TYPE A WINDOW SILLS



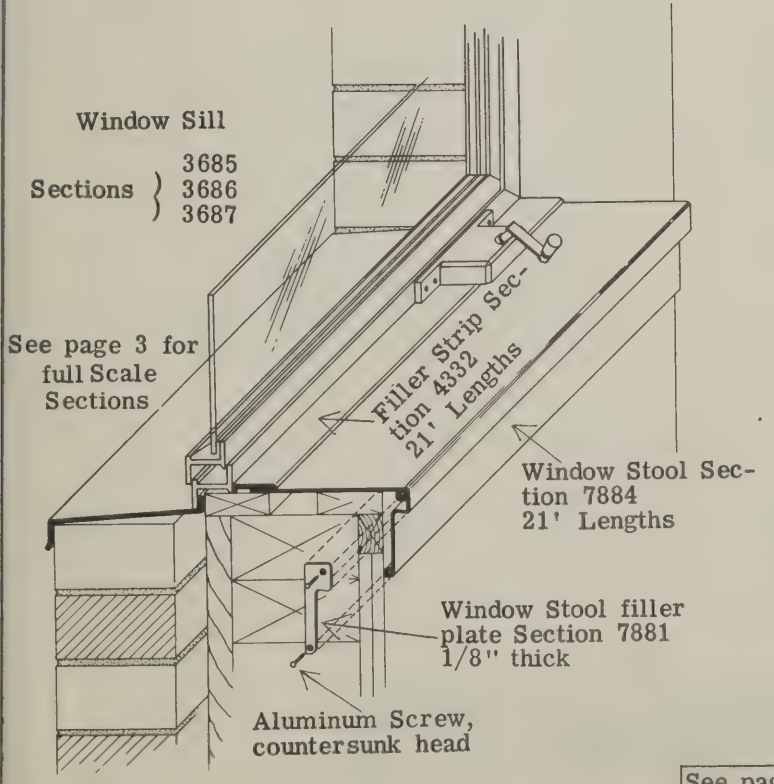
See page 4 for assembly drawings.
See page 52-53 for non-warehouse items.
For general specifications see pages 91, 92 & 93.
Alloy & Temper 63S-T42 Standard Lengths 21 feet.

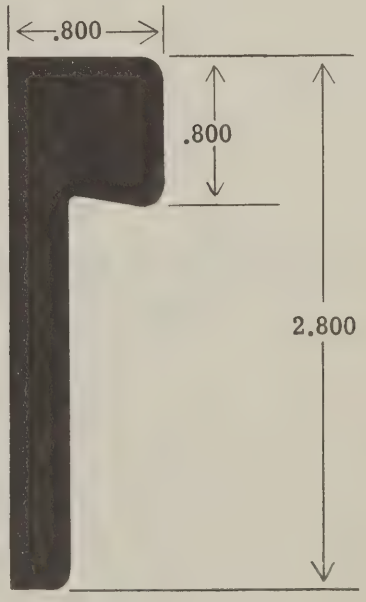
March 30, 1953. Supersedes All Previous Data.

WINDOW STOOL & FILLER PLATE



This illustration shows suggested use of Reynolds Architectural Aluminum. Note that Reynolds furnishes mill products only . . . see your fabricator for finished assemblies.


Window Sill
Sections 3685 3686 3687
See page 3 for full Scale Sections
Filler Strip Section 4332 21' Lengths
Window Stool Section 7884 21' Lengths
Window Stool filler plate Section 7881 1/8" thick
Aluminum Screw, countersunk head



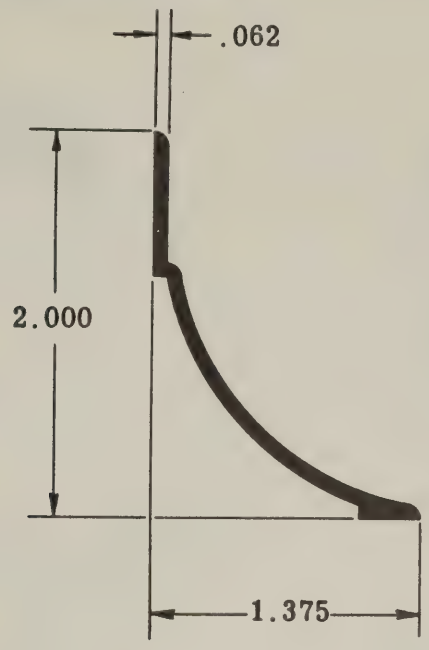
1/8" thick

Section 7881
Factor 5

See pages 52 & 53 for non-warehouse items.
For general specifications see pages 91, 92 & 93.
Alloy & Temper 63S-T42 Standard Lengths 21 feet.

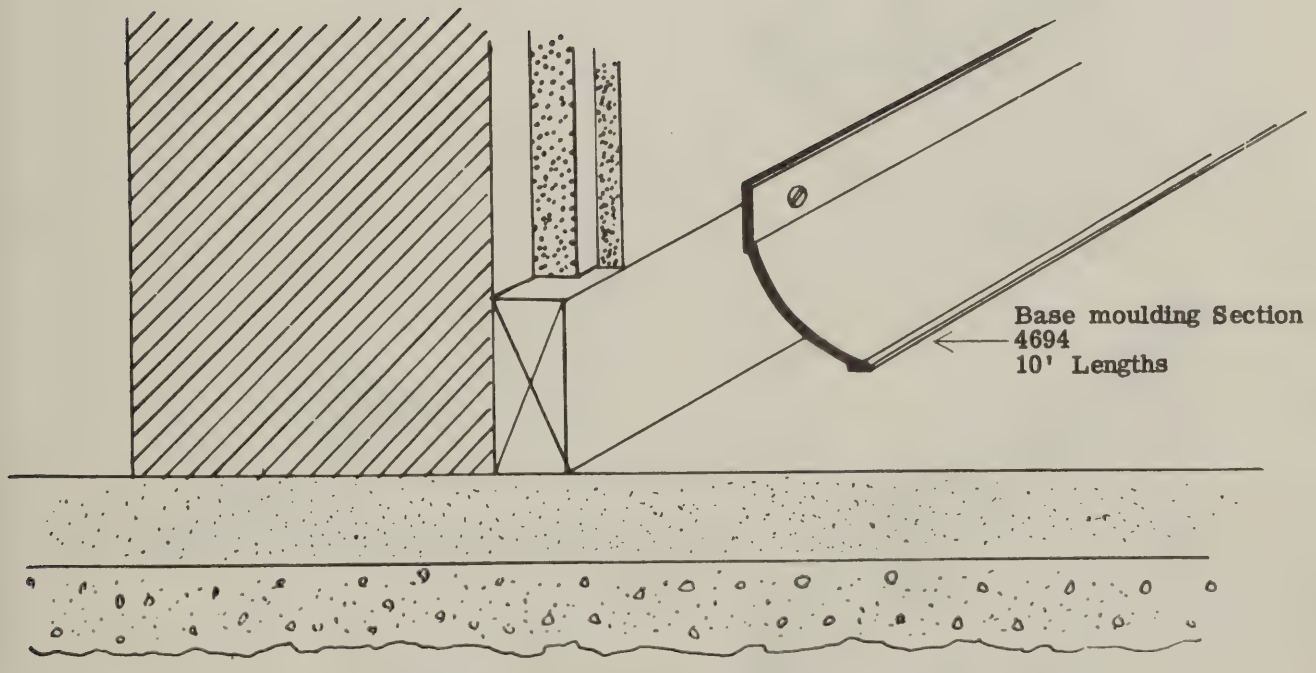
March 30, 1953. Supersedes All Previous Data.

BASE MOLDING SECTION



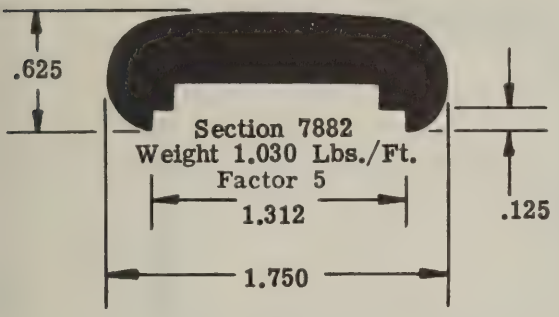
This illustration shows suggested use of Reynolds Architectural Aluminum. Note that Reynolds furnishes mill products only . . . see your fabricators for finished assemblies.

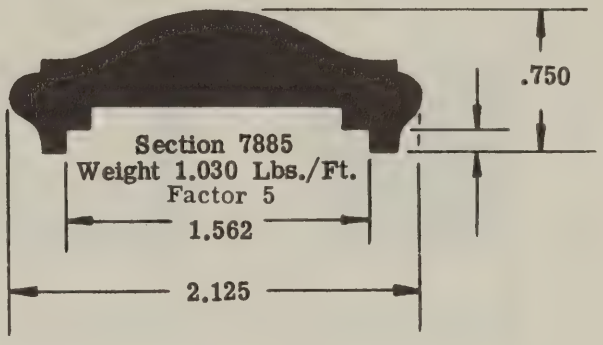
Section 4694
ght .207 Lbs./Ft.
Factor 27



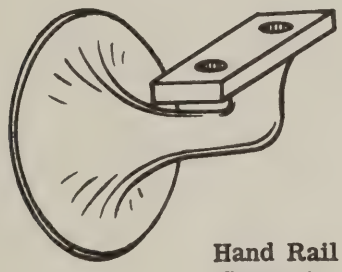
See page 54-55 for non-warehouse items.
For general specifications see pages 91, 92 & 93.
Alloy & Temper 63S-T5 Standard Lengths 10 feet.

HANDRAIL SECTIONS



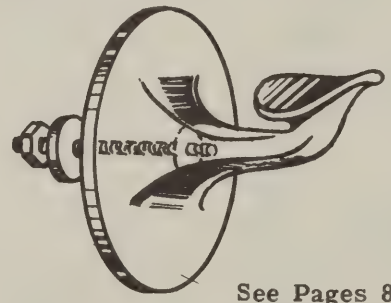


These illustrations show suggested use of Reynolds Architectural Aluminum. Note that Reynolds furnishes mill products only . . . see your fabricator for finished assemblies.

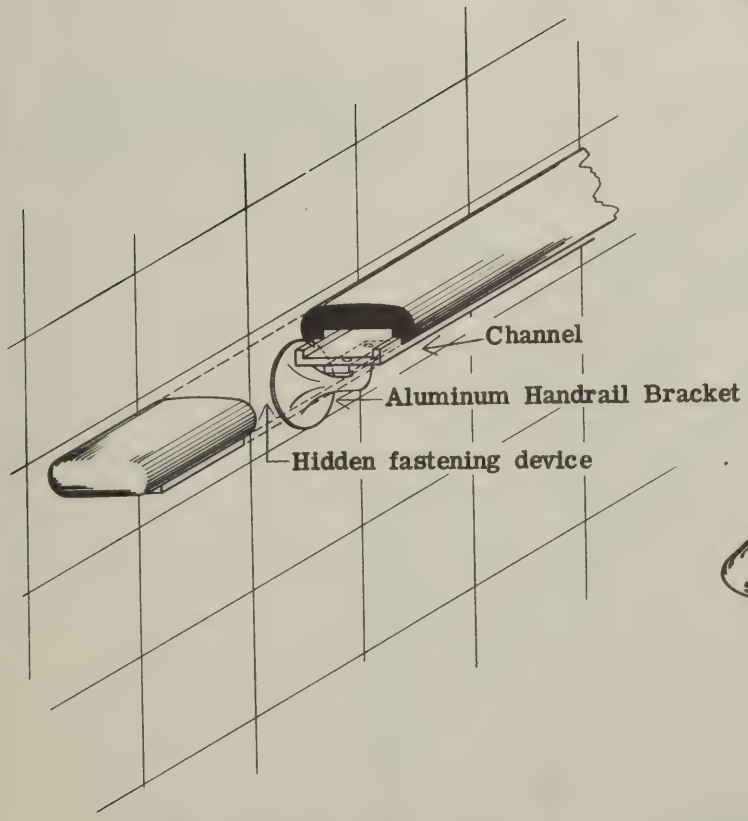


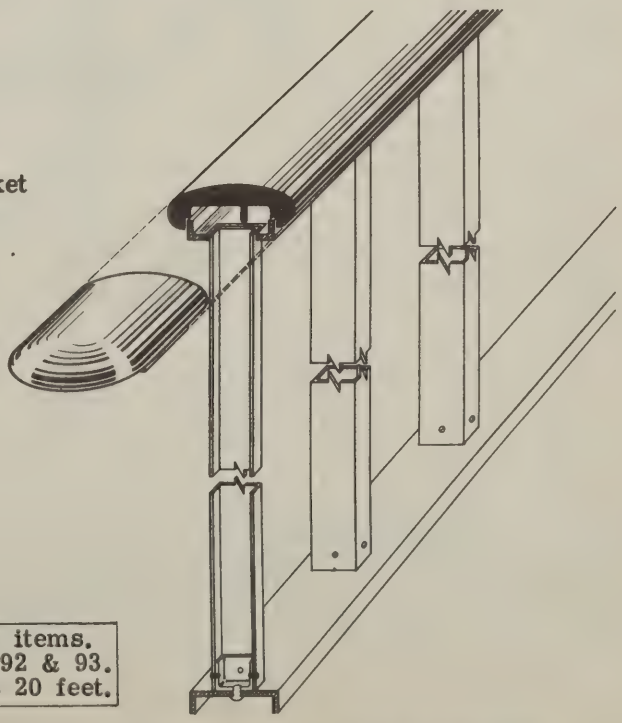
Hand Rail Support

Hand Rail Bracket for I.P.S. Aluminum Pipe



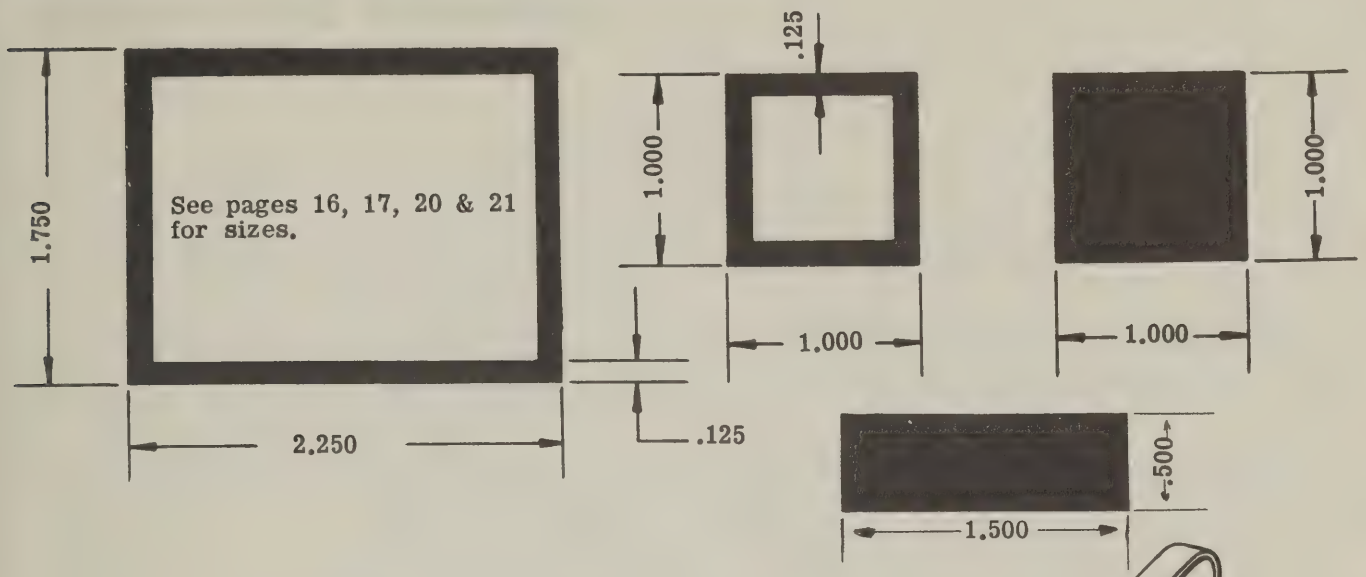
See Pages 8 and 21.



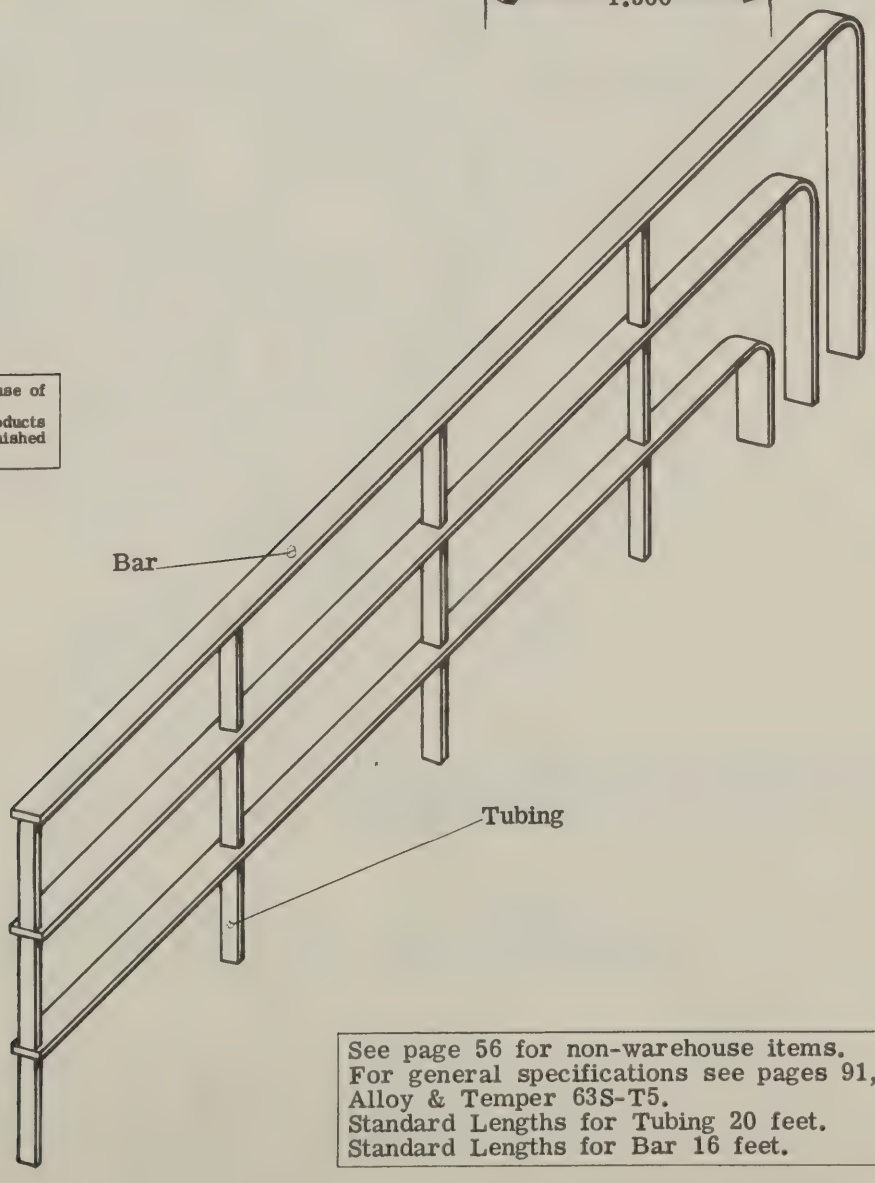


See pages 56, 60 & 61 for non-warehouse items.
For general specifications see pages 91, 92 & 93.
Alloy & Temper 63S-T5 Standard Lengths 20 feet.

HANDRAIL BALUSTER SECTIONS



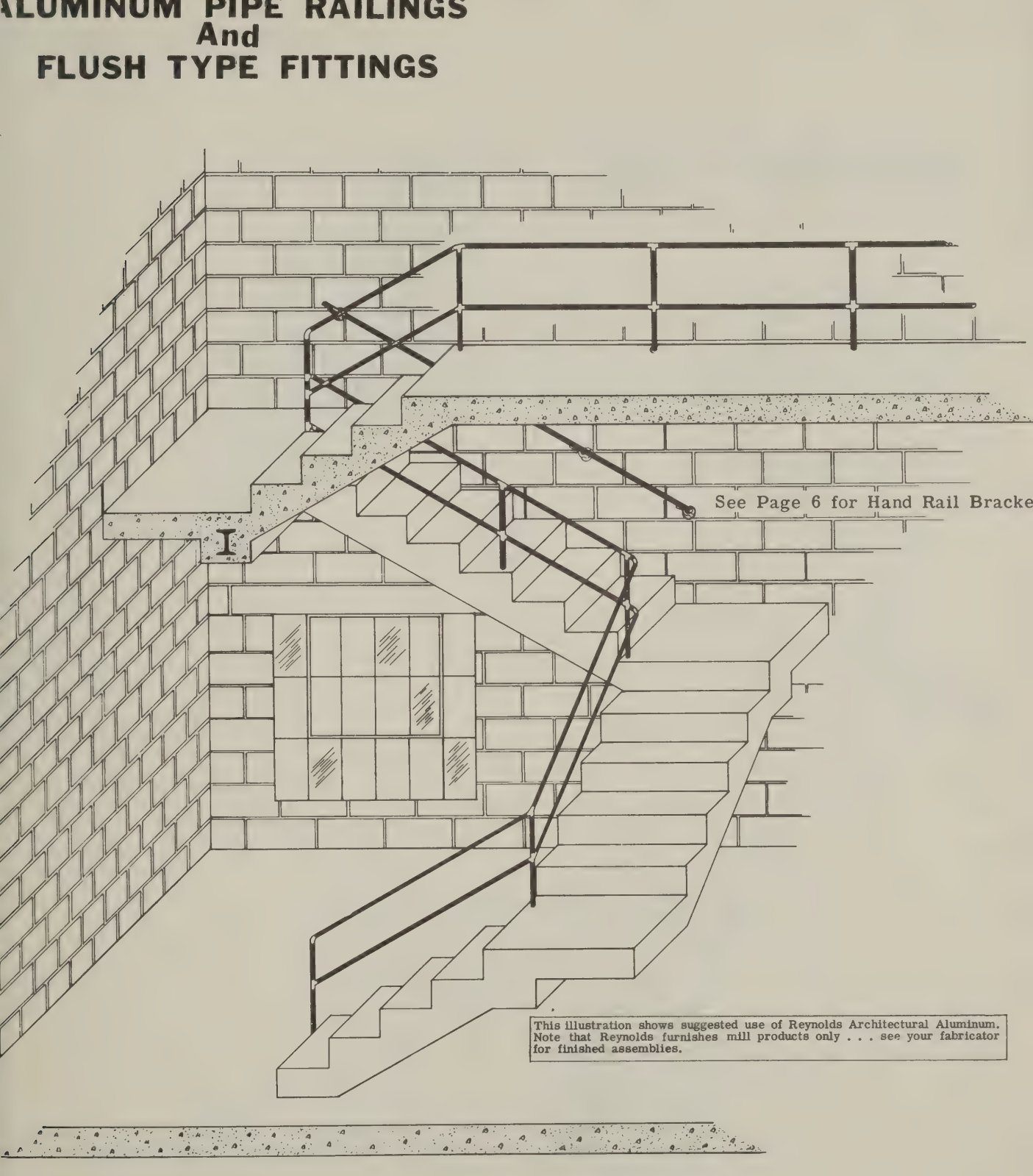
This illustration shows suggested use of Reynolds Architectural Aluminum. Note that Reynolds furnishes mill products only . . . see your fabricator for finished assemblies.



See page 56 for non-warehouse items.
For general specifications see pages 91, 92 & 93.
Alloy & Temper 63S-T5.
Standard Lengths for Tubing 20 feet.
Standard Lengths for Bar 16 feet.

March 30, 1953. Supersedes All Previous Data.

ALUMINUM PIPE RAILINGS And FLUSH TYPE FITTINGS



See Page 6 for Hand Rail Bracket

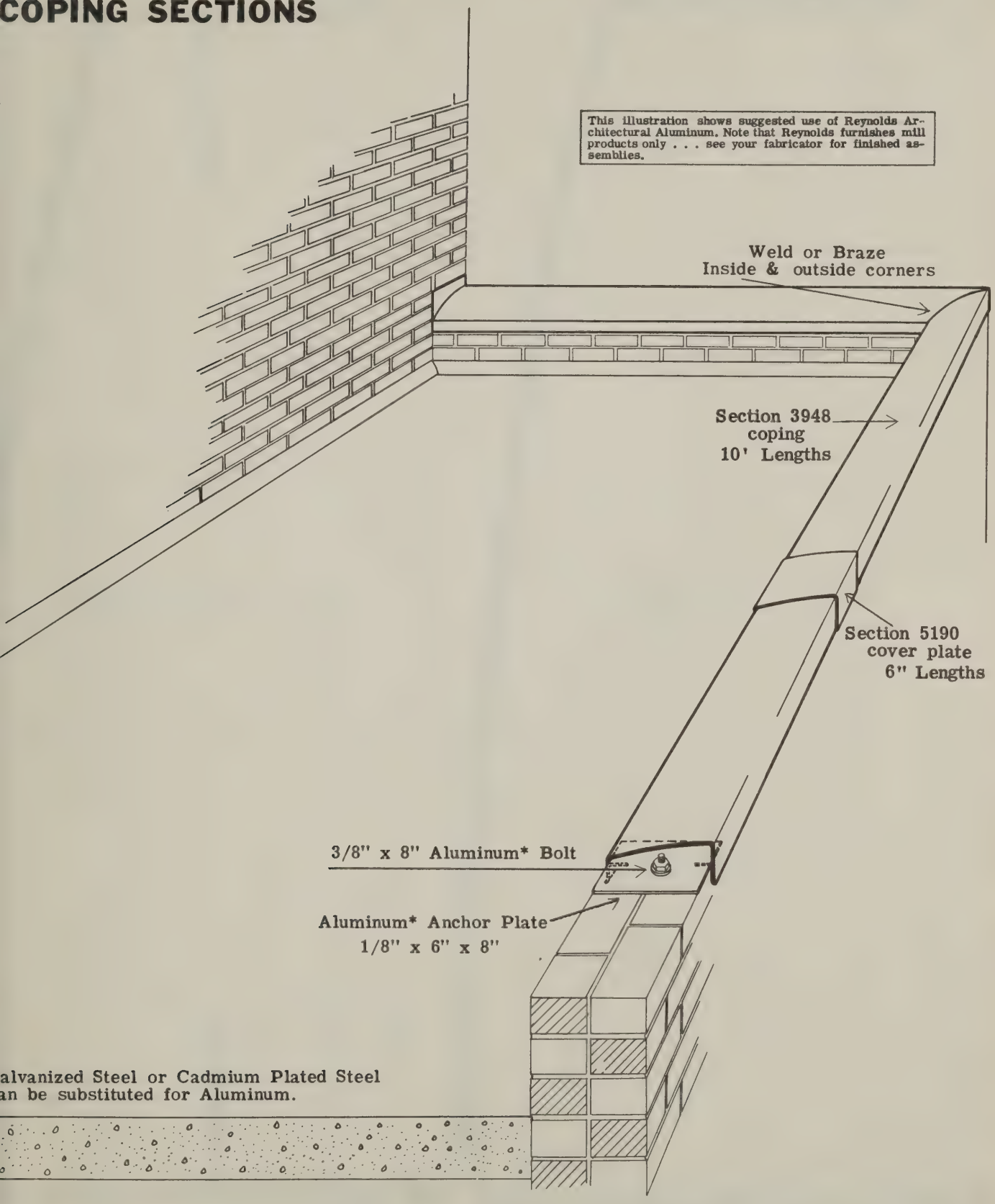
This illustration shows suggested use of Reynolds Architectural Aluminum. Note that Reynolds furnishes mill products only . . . see your fabricator for finished assemblies.

See page 21 for Standard I.P.S. Aluminum Pipe.

For general specifications see pages 91, 92 & 93.
Alloy & Temper 63S-T5. Standard Lengths 20 feet.

COPING SECTIONS

This illustration shows suggested use of Reynolds Architectural Aluminum. Note that Reynolds furnishes mill products only . . . see your fabricator for finished assemblies.

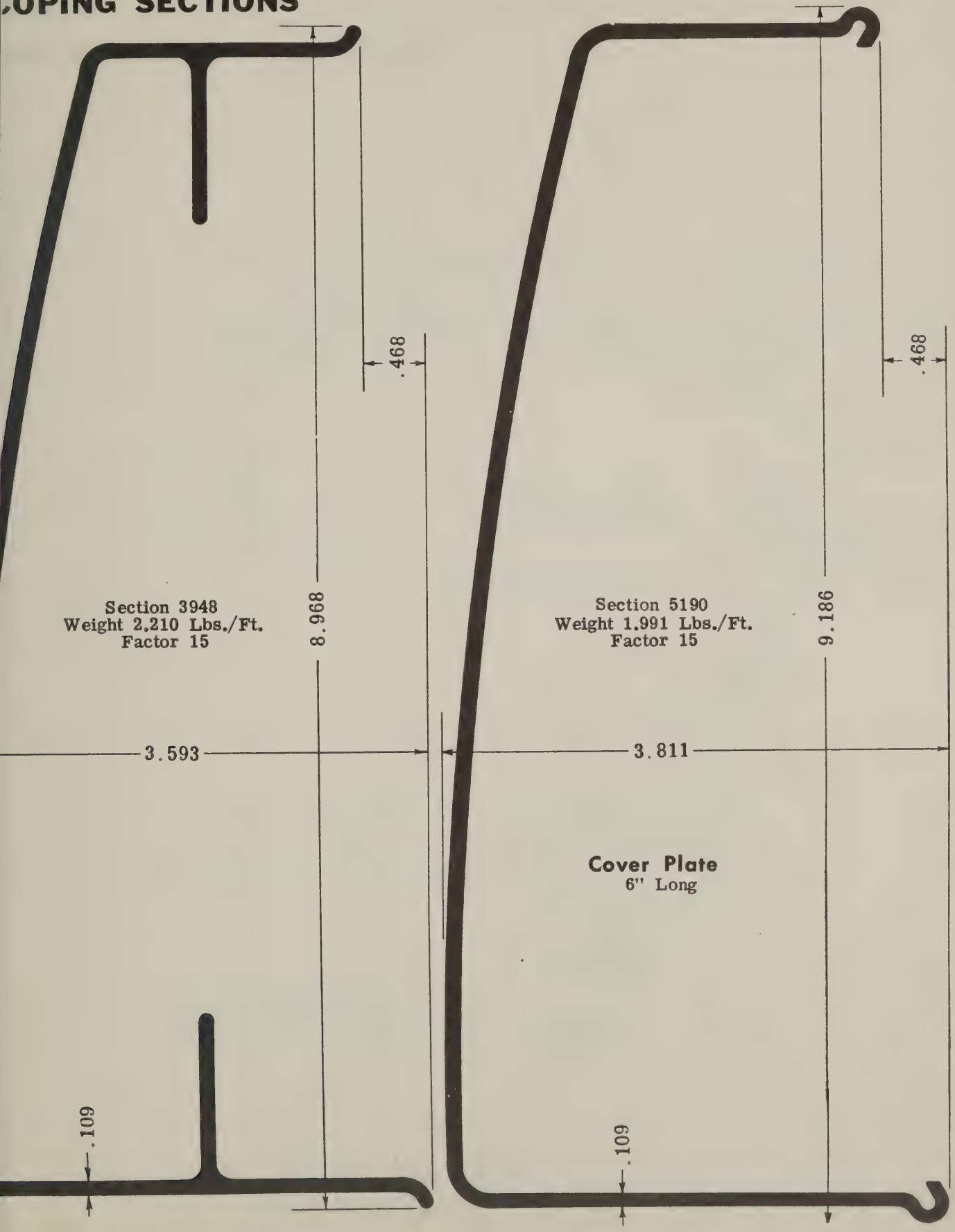


alvanized Steel or Cadmium Plated Steel
an be substituted for Aluminum.

See page 57 for non-warehouse items.
For general specifications see pages 91, 92 & 93.
Alloy & Temper 63S-T42 Standard Length 10 feet.

March 30, 1953. Supersedes All Previous Data.

COPING SECTIONS

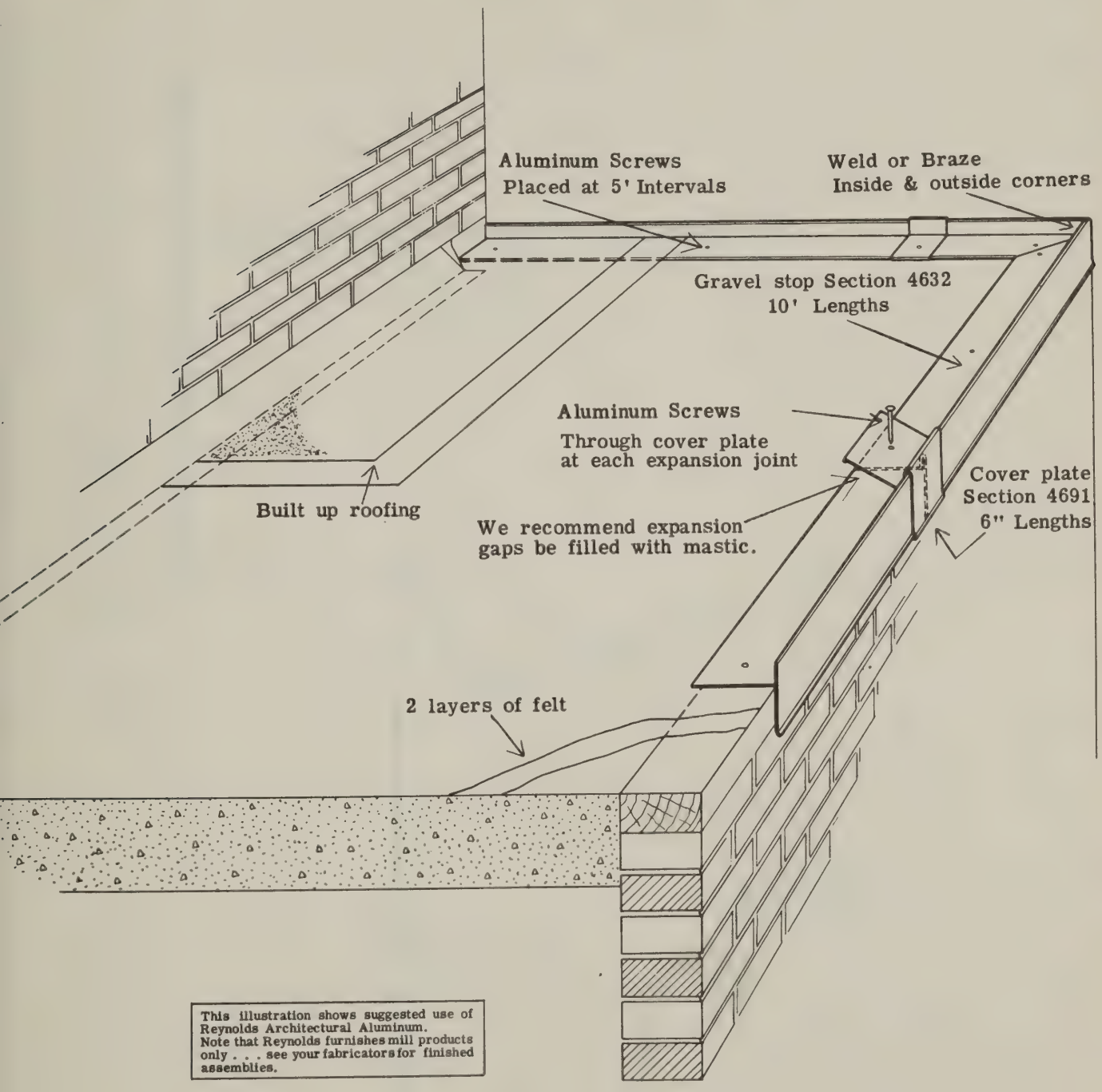


See page 9 for assembly drawings.
See page 57 for non-warehouse items.

For general specifications see pages 91, 92 & 93.
Alloy & Temper 63S-T42 Standard Lengths 10 feet.

March 30, 1953. Supersedes All Previous Data.

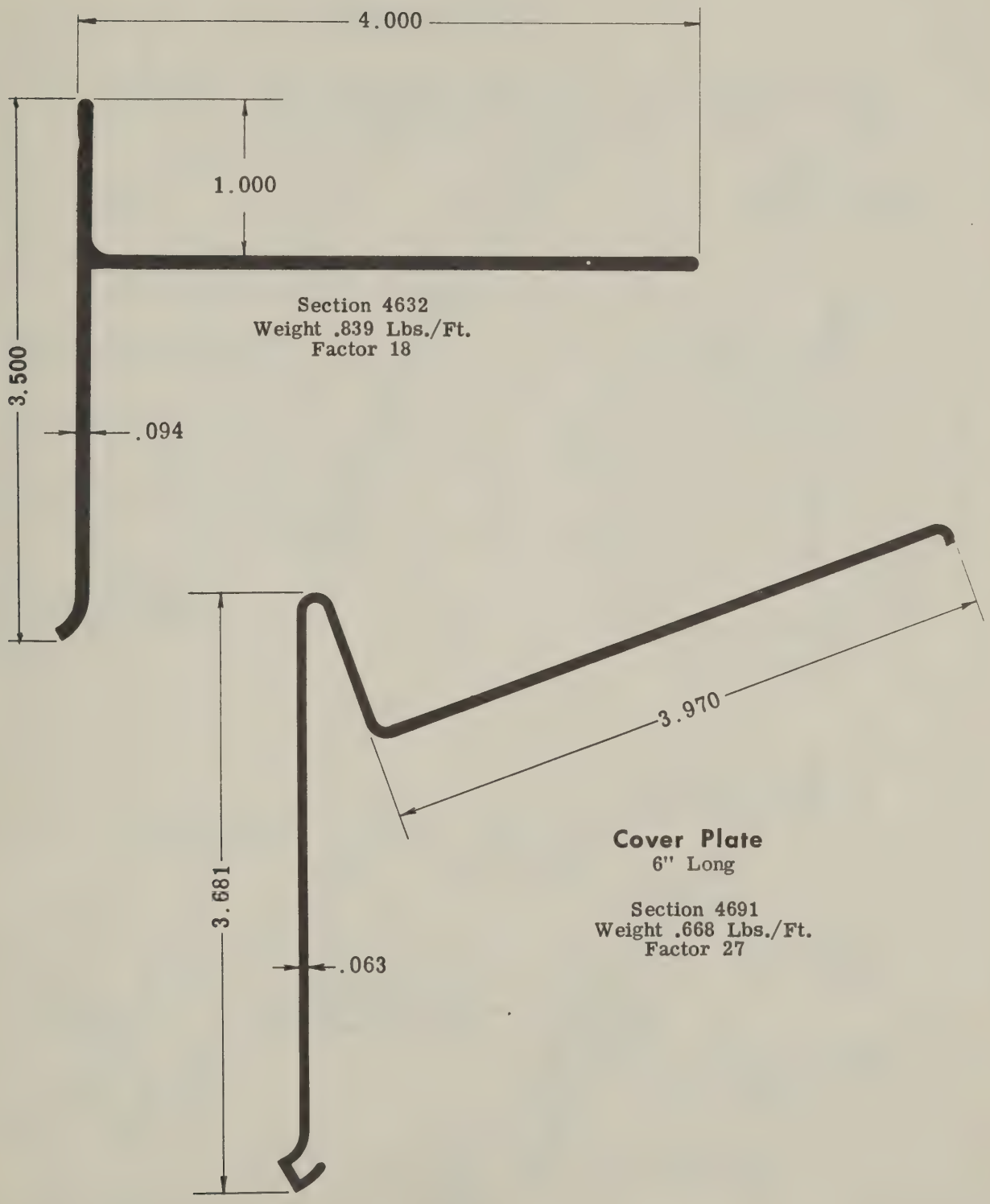
GRAVEL STOP SECTIONS



This illustration shows suggested use of Reynolds Architectural Aluminum. Note that Reynolds furnishes mill products only . . . see your fabricators for finished assemblies.

See page 12 for full Scale Sections.
For General Specifications see pages 91, 92 & 93.
Alloy & Temper 63S-T42. Standard Lengths 10 feet.

GRAVEL STOP SECTIONS



Section 4632
Weight .839 Lbs./Ft.
Factor 18

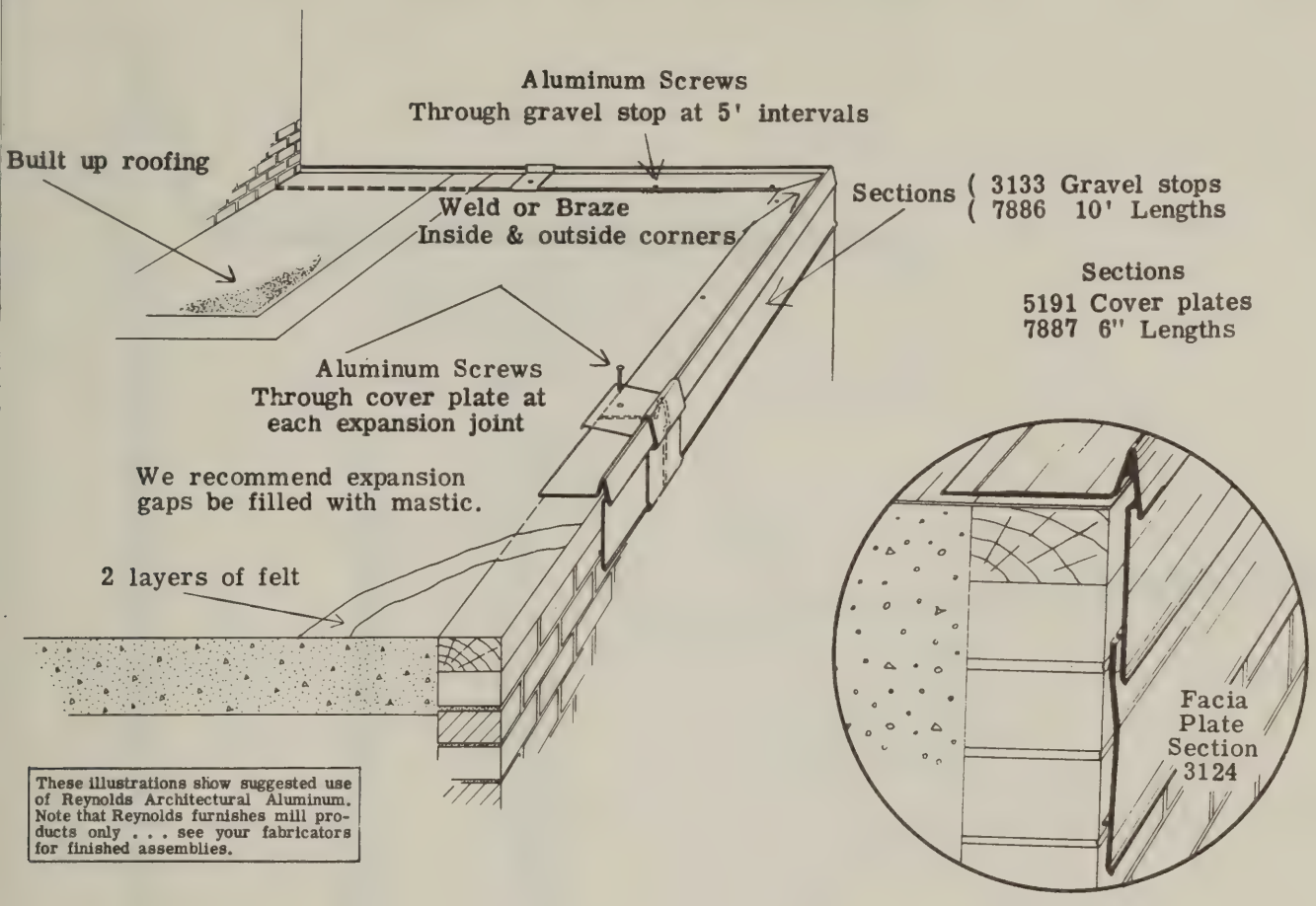
Cover Plate
6" Long

Section 4691
Weight .668 Lbs./Ft.
Factor 27

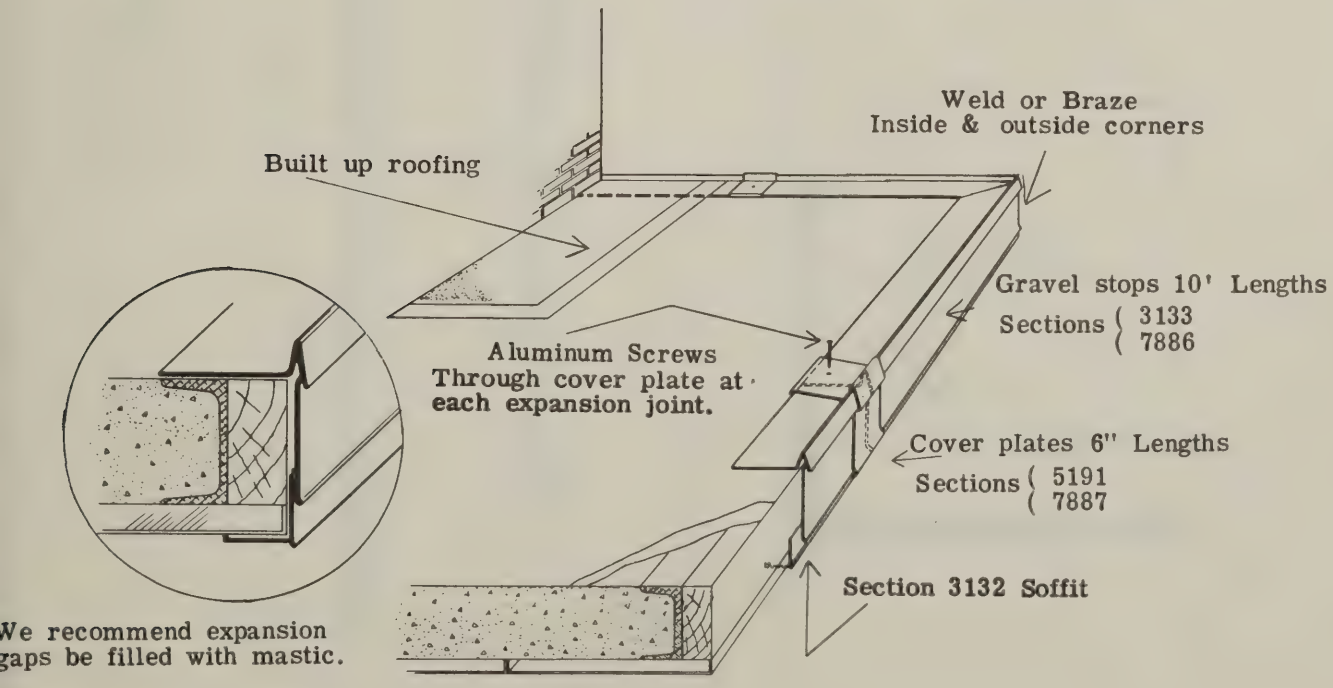
See page 11 for assembly drawings.
For general specifications see pages 91, 92 & 93.
Alloy & Temper 63S-T42 Standard Lengths 10 feet.

March 30, 1953. Supersedes All Previous Data.

GRAVEL STOP, FACIA PLATE SECTIONS



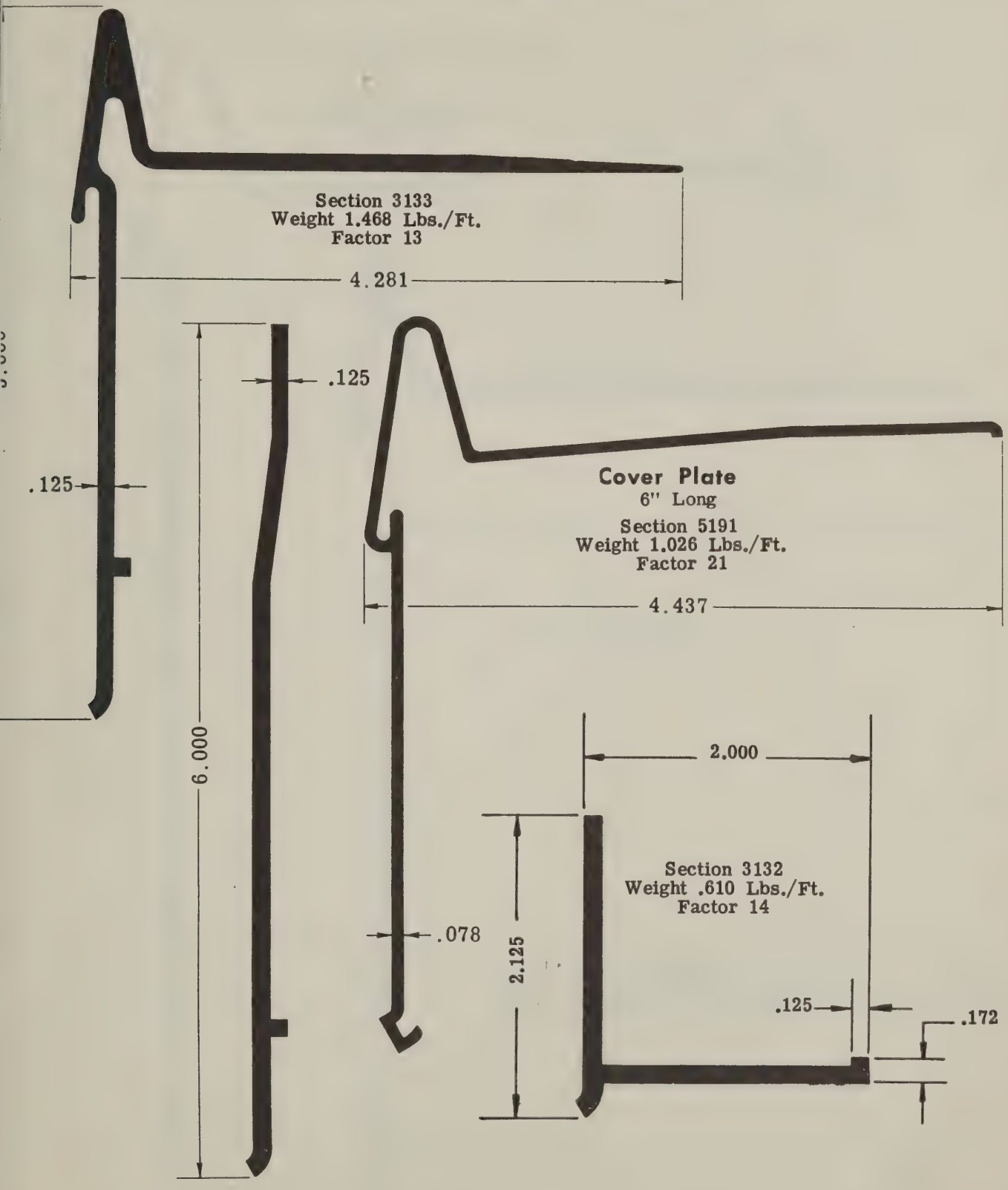
These illustrations show suggested use of Reynolds Architectural Aluminum. Note that Reynolds furnishes mill products only . . . see your fabricators for finished assemblies.



See pages 14 & 15 for full Scale Sections.
For General Specifications see pages 91, 92 & 93.
Alloy & Temper 63S-T42. Standard Lengths 10 feet.

March 30, 1953. Supersedes All Previous Data.

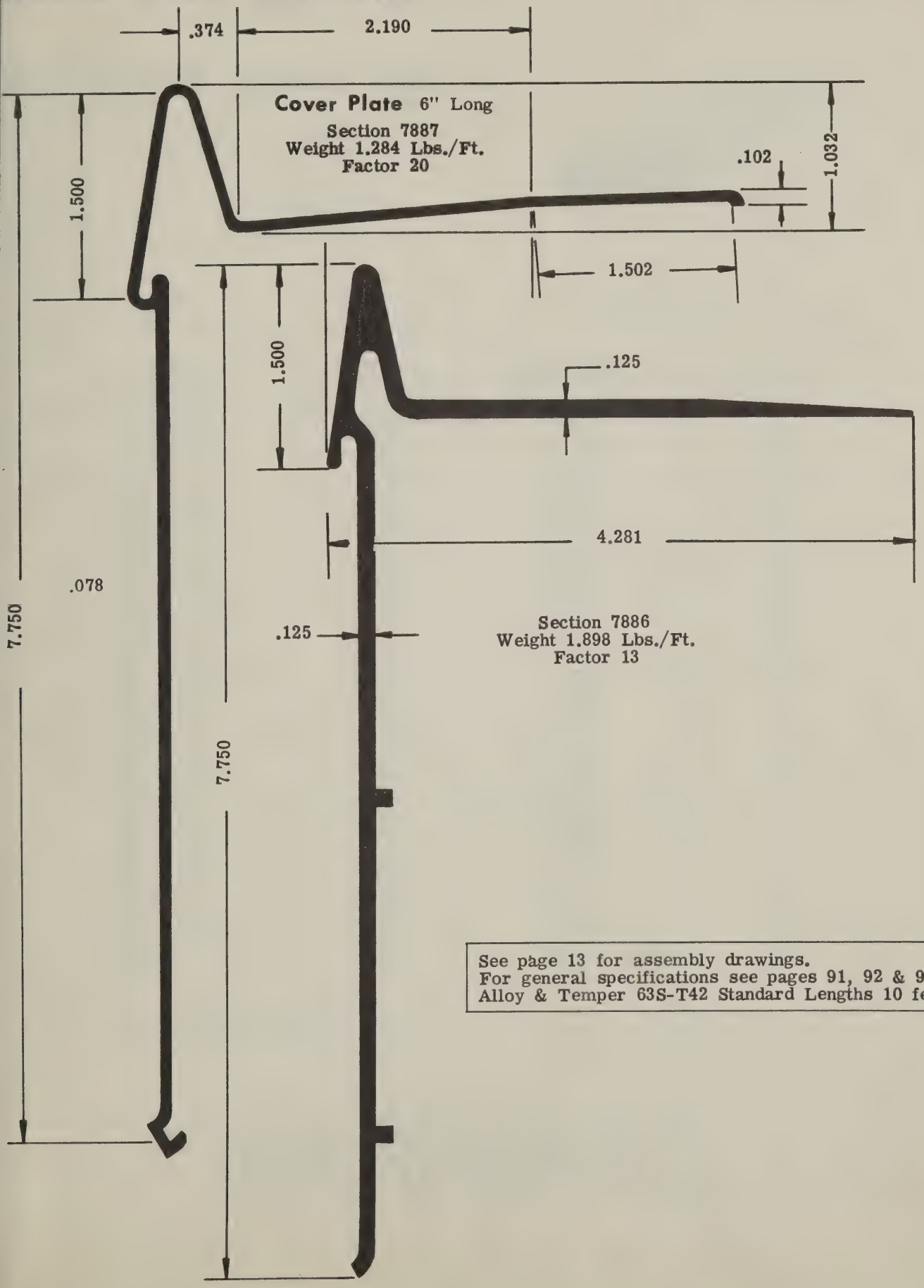
GRAVEL STOP, FACIA PLATE SECTIONS



See page 13 for assembly drawings.
For general specifications see pages 91, 92 & 93.
Alloy & Temper 63S-T42 Standard Lengths 10 feet.

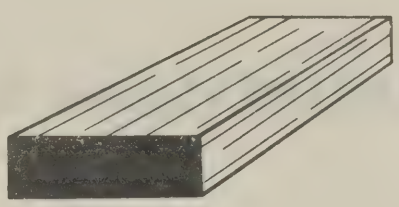
rch 30, 1953. Supersedes All Previous Data.

RAVEL STOP SECTIONS



See page 13 for assembly drawings.
For general specifications see pages 91, 92 & 93.
Alloy & Temper 63S-T42 Standard Lengths 10 feet.

ECTANGLES (Square Corners)

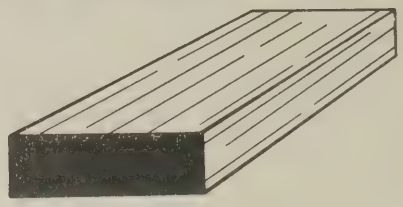


SIZE (Inches)	SECTION NUMBER	ESTIMATED WEIGHT (Lb/Ft)	FACTOR
1/8 x 1/2	535	.076	16
1/8 x 5/8	4011	.094	16
1/8 x 3/4	780	.112	15
1/8 x 1	536	.150	15
1/8 x 1-1/4	537	.182	15
1/8 x 1-1/2	538	.224	15
1/8 x 1-3/4	539	.263	14
1/8 x 2	540	.300	14
3/16 x 1/2	541	.113	12
3/16 x 3/4	542	.169	11
3/16 x 1	543	.228	10
3/16 x 1-1/4	544	.281	10
3/16 x 1-1/2	545	.337	10
3/16 x 2	547	.450	10
3/16 x 2-1/2	1772	.563	10
1/4 x 1/2	925	.147	10
1/4 x 5/8	792	.188	9
1/4 x 3/4	3629	.226	9
1/4 x 1	1495	.300	9
1/4 x 1-1/4	1403	.376	8
1/4 x 1-1/2	2205	.450	8
1/4 x 1-3/4	2008	.526	8
1/4 x 2	2062	.582	8
1/4 x 2-1/2	1773	.750	7
1/4 x 3	1754	.900	7
3/8 x 1/2	548	.225	8
3/8 x 5/8	549	.278	7
3/8 x 3/4	793	.338	7
3/8 x 1	1497	.450	6
3/8 x 1-1/4	1427	.561	6
3/8 x 1-1/2	1694	.676	6
3/8 x 2	2066	.873	5
3/8 x 3	1755	1.350	5

CONTINUED - Reverse Side

See pages 72 & 73 for non-warehouse items.
For general specifications see pages 91, 92 & 93.
Alloy & Temper 63S-T5 Standard Lengths 16 feet.

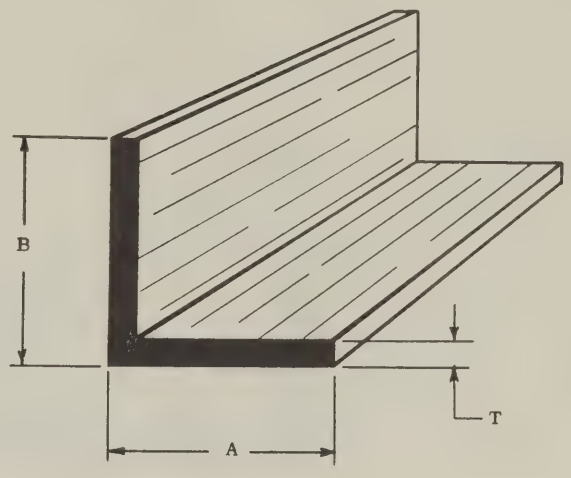
RECTANGLES (Square Corners)



SIZE (Inches)	SECTION NUMBER	ESTIMATED WEIGHT (Lb/Ft)	FACTOR
1/2 x 3/4	1536	.449	5
1/2 x 1	1469	.600	5
1/2 x 1-1/4	1684	.758	5
1/2 x 1-1/2	1696	.882	5
1/2 x 2	2053	1.200	4
1/2 x 2-1/2	1769	1.515	4
1/2 x 3	1437	1.800	4
3/4 x 1-1/2	1501	1.320	3
3/4 x 2	2052	1.764	3
3/4 x 3	782	2.700	3
1 x 1-1/2	1733	1.818	3
1 x 2	2038	2.400	3

See pages 72 & 73 for non-warehouse items.
For general specifications see pages 91, 92 & 93.
Alloy & Temper 63S-T5 Standard Lengths 16 feet.

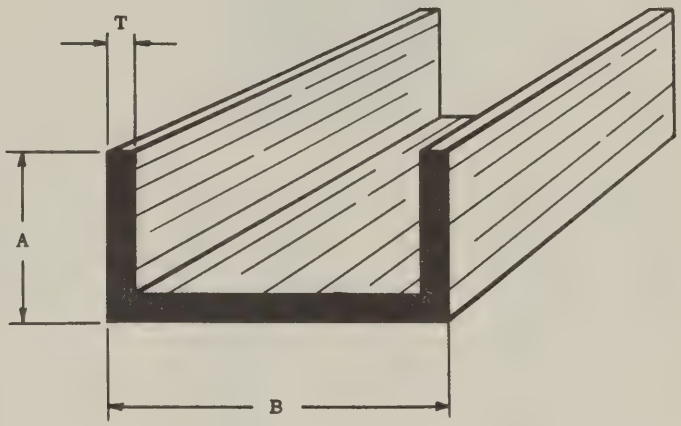
ANGLES (Square Corners)



SECTION NO.	A (Inches)	B (Inches)	T (Inches)	ESTIMATED WEIGHT (Lb/Ft)	FACTOR
370	1/2	1/2	1/16	.070	29
563	1/2	1/2	1/8	.131	15
7889	5/8	5/8	1/8	.168	15
965	3/4	3/4	1/16	.106	28
7932	3/4	3/4	1/8	.206	15
371	1	1	1/16	.145	28
3562	1	1	1/8	.282	14
1803	1-1/4	1-1/4	1/8	.355	14
4630	1-1/2	1-1/2	1/8	.431	14
1804	1-1/2	1-1/2	3/16	.632	9
2155	2	2	1/8	.581	14
2284	2	2	3/16	.858	9
7890	3/8	3/4	3/32	.116	19
1846	1/2	1	3/32	.158	19
3563	1/2	1	1/8	.206	15
7891	1/2	1-1/4	1/8	.244	14
2149	3/4	1-1/2	1/8	.319	14
2143	1	2	1/8	.431	14
5497	1-1/4	3-1/2	1/8	.694	14

See pages 74, 75, 76 & 77 for non-warehouse items.
For general specifications see pages 91, 92 & 93.
Alloy & Temper 63S-T5 Standard Lengths 16 feet.

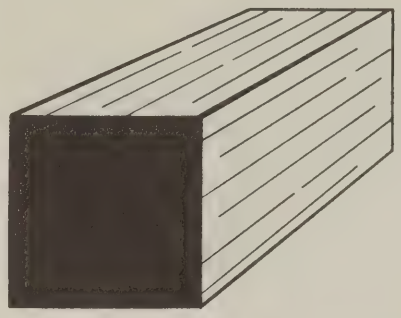
HANNELS
quare Corners)



SECTION NO.	A (Inches)	B (Inches)	T (Inches)	ESTIMATED WEIGHT (Lb/Ft)	FACTOR
4340	1/2	1/2	3/32	.148	19
5540	1	1	1/8	.413	14
7892	3/8	1/2	1/8	.150	15
988	3/8	3/4	1/8	.187	15
1269	1/2	1	1/8	.263	14
3450	1/2	1-1/4	1/8	.300	14
7893	1/2	1-7/16	3/32	.251	19
2156	1/2	1-1/2	1/8	.337	14
3930	3/4	1-3/4	1/8	.450	14
4391	1/2	2	1/8	.413	14
3507	1	2	1/8	.564	14
7894	1/2	3	1/8	.563	14
4393	1	3	1/8	.713	14

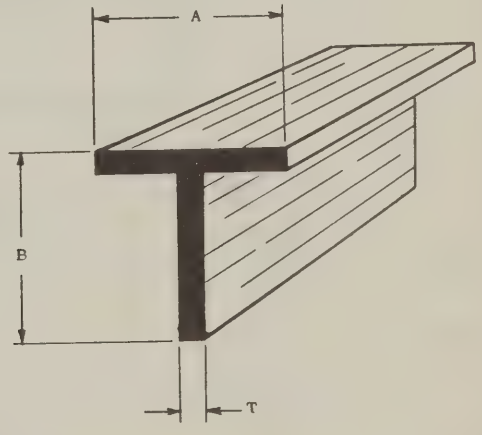
See pages 78 & 79 for non-warehouse items.
For general specifications see pages 91, 92 & 93.
Alloy & Temper 63S-T5 Standard Lengths 16 feet.

SQUARES (Square Corners)



SIZE (Inches)	SECTION NUMBER	ESTIMATED WEIGHT (Lb/Ft)	FACTOR
1/4	322	.075	13
5/16	7888	.116	11
3/8	5537	.169	9
1/2	1863	.294	7
5/8	1866	.468	5
3/4	1526	.673	4
1	1906	1.200	3
1-1/4	2080	1.875	3
1-1/2	2079	2.700	2

"TEES" (Square Corners)

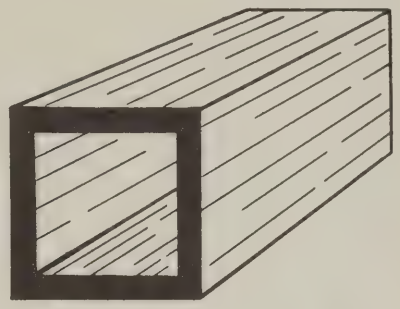


SECTION NO.	A (Inches)	B (Inches)	T (Inches)	ESTIMATED WEIGHT (Lb/Ft)	FACTOR
7895	7/8	1-1/4	1/8	.300	14
7258	2	2	3/16	.860	9

See pages 80, 81 & 82 for non-warehouse items.
For general specifications see pages 91, 92 & 93.
Alloy & Temper 63S-T5 Standard Lengths 16 feet.

arch 30, 1953. Supersedes All Previous Data.

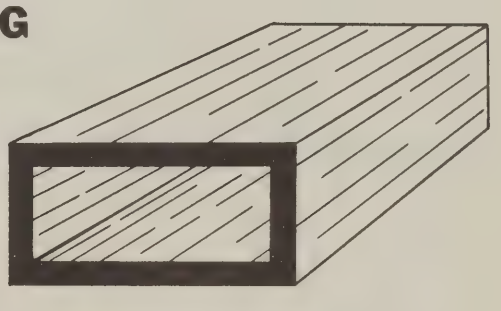
XTRUDED SQUARE TUBING
Square Corners)



SIZE (Inches)	SECTION NUMBER	ESTIMATED WEIGHT (Lb/Ft)	FACTOR
1 Inch (.125 wall)	7896	.526	13
1-1/2 Inch (.125 wall)	7897	.826	13
2 Inch (.125 wall)	7898	1.126	13

These are 63S-T5. Standard Lengths 21 feet, 1 inch.

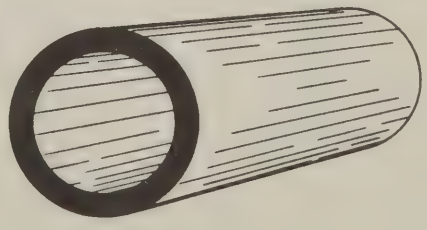
EXTRUDED RECTANGULAR TUBING
(Square Corners)



SIZE (Inches)	SECTION NUMBER	ESTIMATED WEIGHT (Lb/Ft)	FACTOR
1-3/4 x 2-1/4 x .125	7899	1.126	13
1-3/4 x 3 x .125	7900	1.350	13
1-3/4 x 4 x .125	7901	1.650	13
1-3/4 x 5 x .125	7902	1.950	13
2 x 3 x .125	7903	1.426	13

These are 63S-T5. Standard Lenghts 21 feet, 1 inch.

TANDARD I.P.S. ALUMINUM PIPE



I.P.S. Size	Estimated Weight (Lb/Ft)
1	.580
1-1/4	.785
1-1/2	.939

These are 63S-T6. Standard Length 20 feet.

For general specifications see pages 91, 92 & 93.

TRUCTURAL ANGLES

SIZE (Inches)	SECTION NUMBER	ESTIMATED WEIGHT (Lb/Ft)	FACTOR
x 1 x 3/16	5640	.408	9
x 2 x 3/16	4613	.868	9
x 2 x 3/8	2255	1.638	5
-1/2 x 2-1/2 x 1/4	4304	1.433	7
x 3 x 3/16	4696	1.273	9
x 3 x 3/8	1102	2.526	5
x 4 x 1/4	4607	2.329	7
x 4 x 3/8	5175	3.436	5
x 3 x 1/4	3661	1.432	7
x 3 x 3/8	5569	2.986	5

TRUCTURAL CHANNELS

SIZE (Inches)	SECTION NUMBER	ESTIMATED WEIGHT (Lb/Ft)	FACTOR
4	2645	1.90	7
5	2642	2.38	7
6	2600	3.090	6

TRUCTURAL TEES

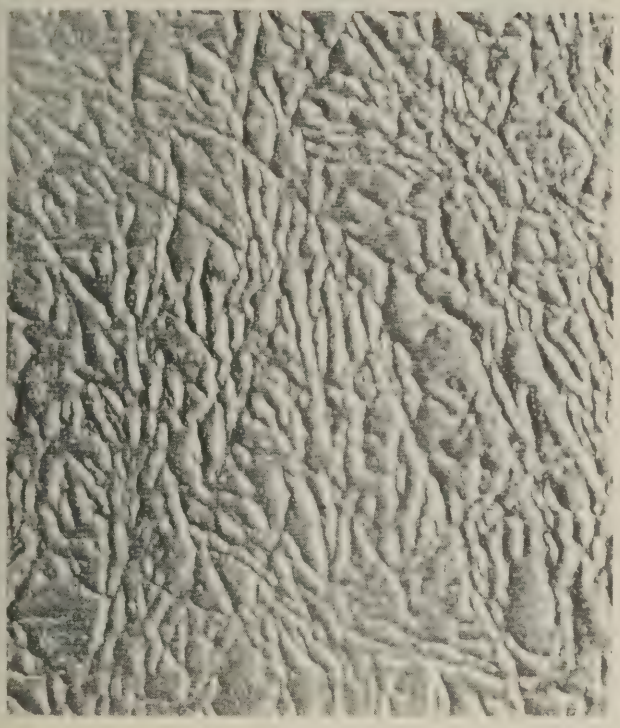
SIZE (Inches)	SECTION NUMBER	ESTIMATED WEIGHT (Lb/Ft)	FACTOR
2 x 2 x 1/4	2649	1.296	6

TRUCTURAL "I" BEAMS

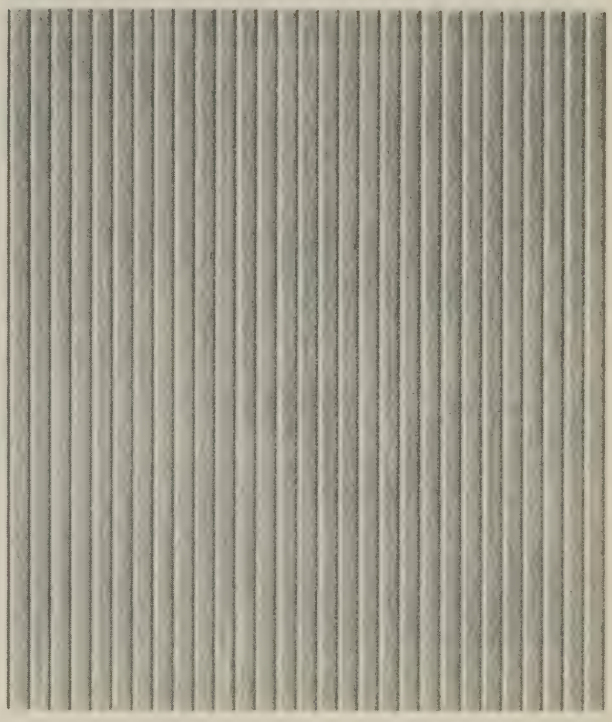
SIZE (Inches)	SECTION NUMBER	ESTIMATED WEIGHT (Lb/Ft)	FACTOR
4	7979	2.72	4
6	7980	4.43	5

See pages 74, 76, 78, 79, 82 & 83 for non-warehouse items.
For general specifications see pages 91, 92 & 93.
Alloy & Temper 61S-T6 Standard Lengths 25 feet.

EMBOSSED SHEET



LEATHER GRAIN



FLUTED

Leather	
Thickness	Sheet Size
.025	48 x 144
.032	48 x 144
.040	48 x 144

Fluted	
Thickness	Sheet Size
.040	48 x 144
.064	48 x 144
.081	48 x 144
.102	48 x 144
.125	48 x 144

For general specifications see pages 91, 92 & 93.

See reverse side

EMBOSSED SHEET

WOOD GRAIN

STUCCO

Wood Grain	
Thickness	Sheet Size
.025	48 x 144
.032	48 x 144
.040	48 x 144

Stucco	
Thickness	Sheet Size
.025	48 x 144
.032	48 x 144
.040	48 x 144

For general specifications see pages 91, 92 & 93.

March 30, 1953. Supersedes All Previous Data.

PLAIN SHEET AND PLATE

Flat sheet for anodized Finish 3S-H14	
Thickness	Sheet Size
.020	36 x 96
.025	36 x 96
.032	48 x 144
.040	48 x 144
.051	48 x 144
.064	48 x 144
.081	48 x 144
.091	48 x 144
.125	48 x 144

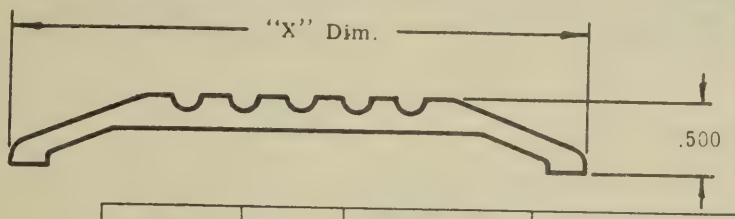
Plate (3S-F)	
Thickness	Sheet Size
.250	48 x 144
.375	36 x 96

For general specifications see pages 91, 92 & 93.

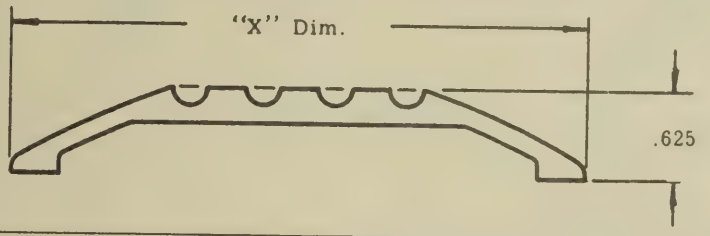
HRESHOLDS

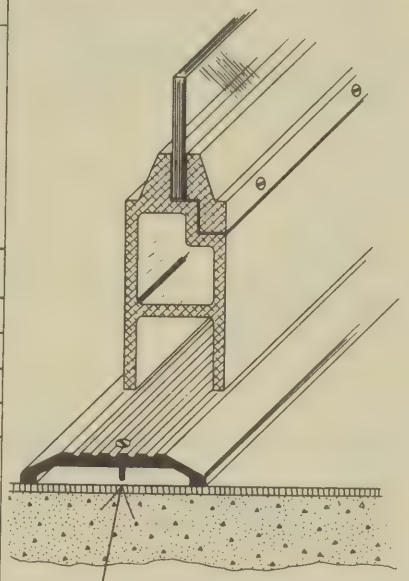
5 Groove

"X" Dim	Factor	Est. Wt/Ft	SECT.NO.
7.500	10	1.656	*4673



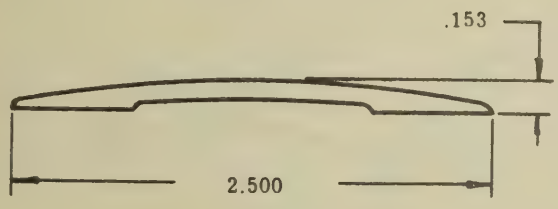
"X" Dim.	Factor	Est. Wt/Ft	SECT.NO.
3.000	11	.695	3641
4.000	11	.842	3646
5.000	10	1.082	3645
6.000	11	1.230	3643





Counter Sunk aluminum wood Screw through threshold

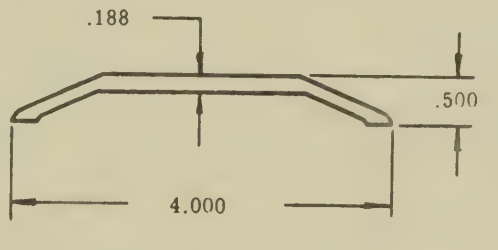
Section 3149



Est. Wt. Per Ft. - .246

Scale-1:1
Factor-20

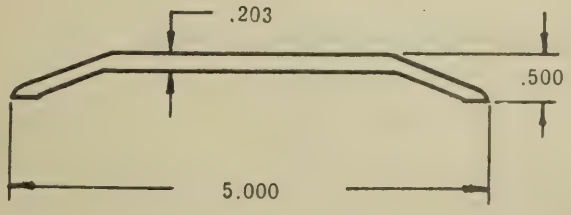
Section *3670



Est. Wt. Per Ft. - .781
D-Factor - 40

Scale-1:2
Factor-11

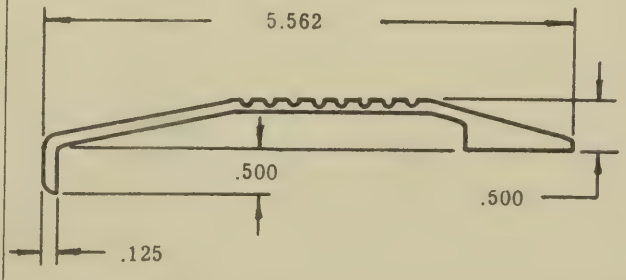
Section *3671



Est. Wt. Per Ft. - 1.108

Scale-1:2
Factor-9

Section 3175



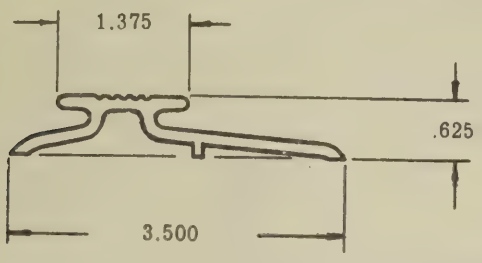
Est. Wt. Per Ft. - 1.092

Scale-1:2
Factor-12

For General Specifications see pages 91, 92 & 93.
*These sections are available in 61S, 63S, 24S and 75S alloys. Also available in 14S alloy if minimum thickness is .125" OR MORE.
Sections not so marked are available in 61S and 63S only.

THRESHOLDS

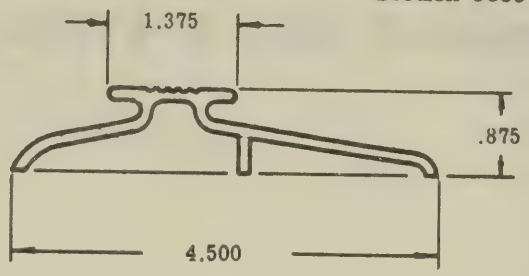
Section 3797



Est. Wt. Per Ft. - .710

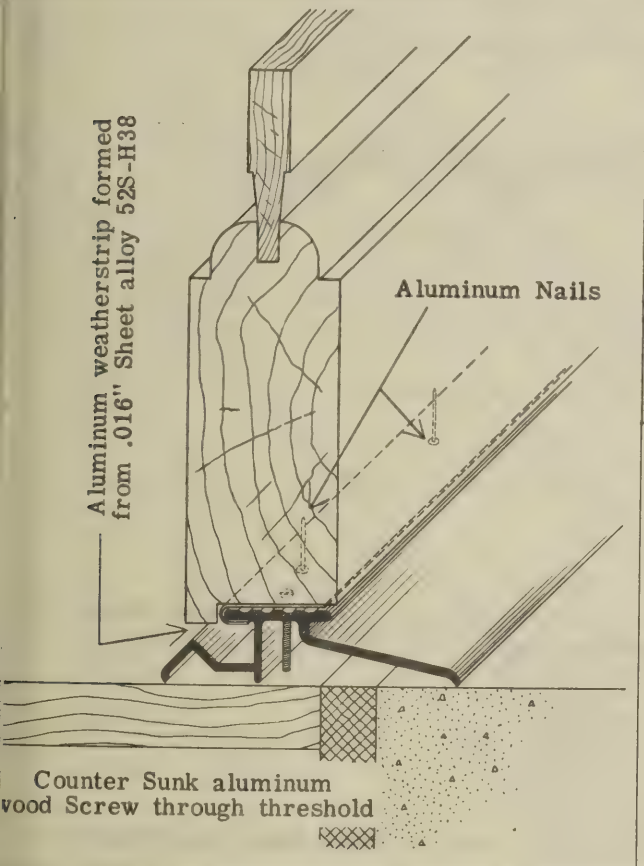
Scale-1:2
Factor-14

Section 3800

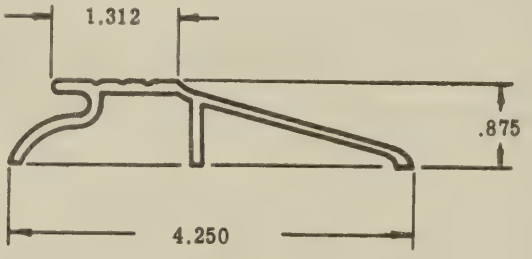


Est. Wt. Per Ft. - .913

Scale-1:2
Factor-14


Aluminum weatherstrip formed from .016" Sheet alloy 52S-H38
Aluminum Nails
Counter Sunk aluminum wood Screw through threshold

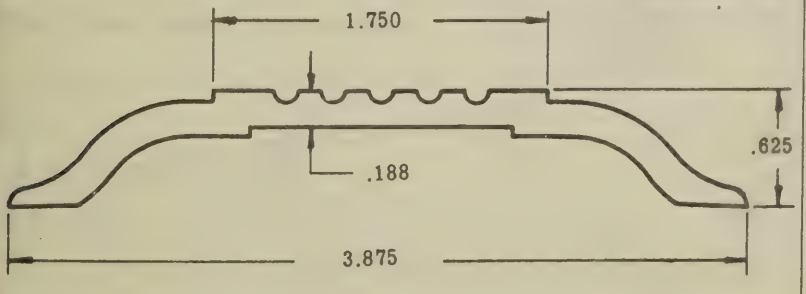
Section 3799



Est. Wt. Per Ft. - .746

Scale-1:2
Factor-16

Section 3176

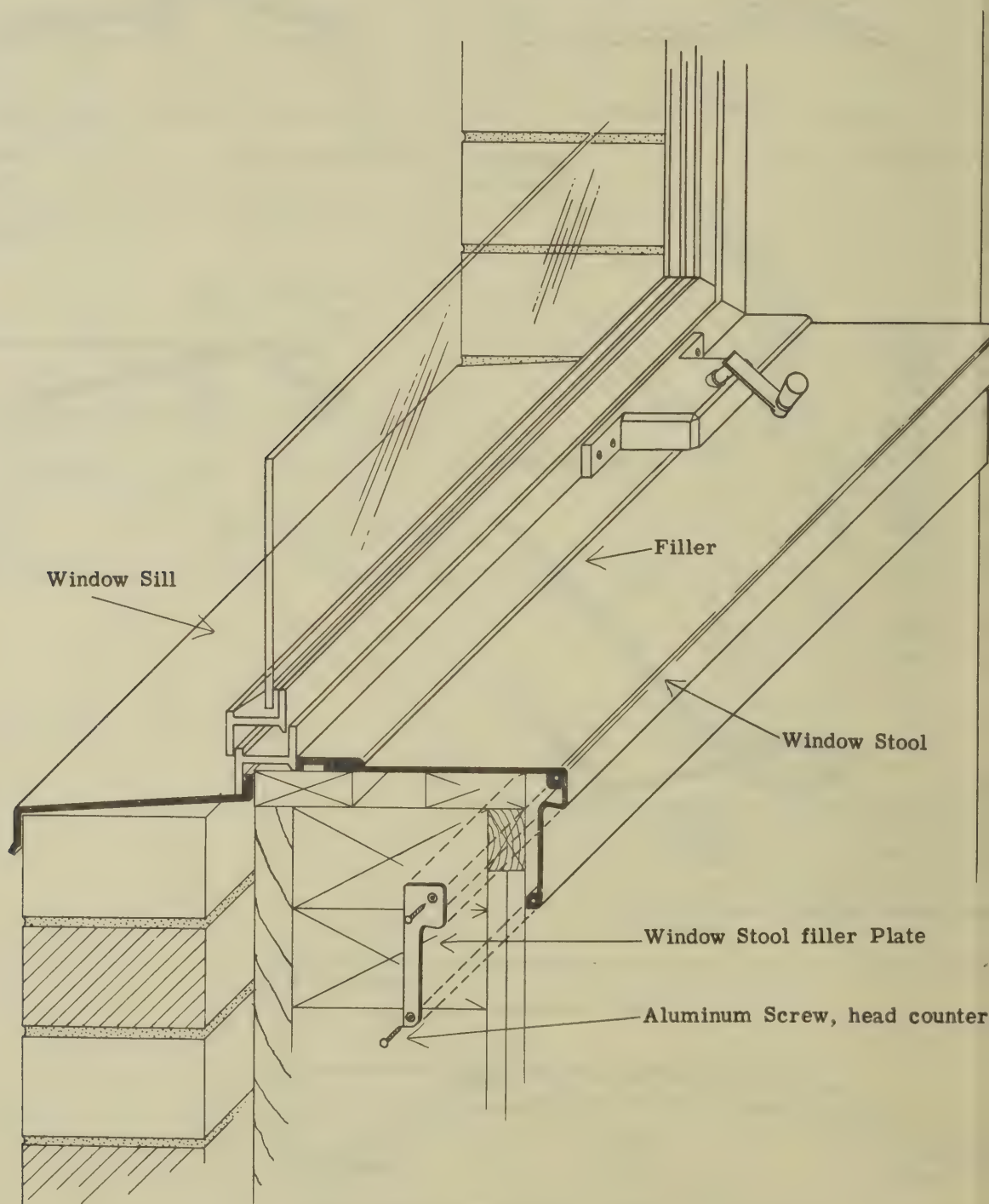


Est. Wt. Per Ft. - .874

Scale-1:1
Factor-10

For General Specifications see pages 91, 92,& 93.
*These sections are available in 61S, 63S, 24S and 75S alloys. Also available in 14S alloy if minimum thickness is .125" OR MORE. Sections not so marked are available in 61S and 63S only.

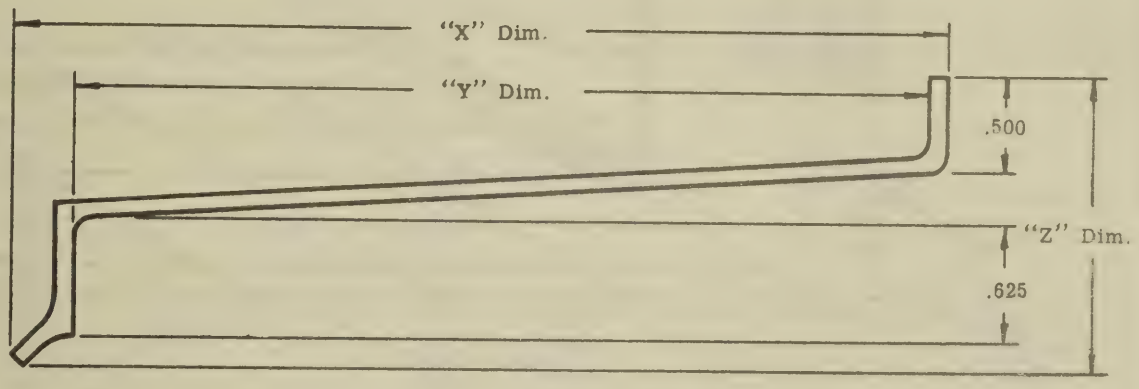
WINDOW SILL & STOOL

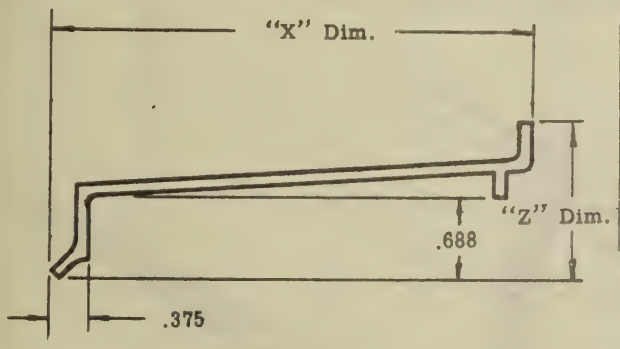


See page 53 for Section drawing.
For General Specifications see pages 91, 92 & 93.

WINDOW SILLS

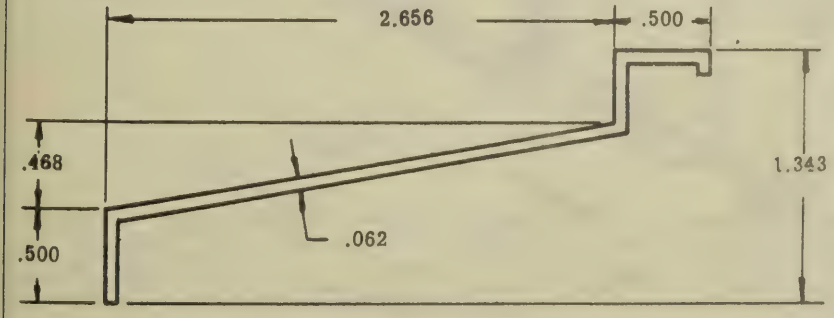
"X" Dim.	"Y" Dim.	"Z" Dim.	Factor	Est. Wt. Per Ft.		SECT. NO.
3.906	3.500	1.500	18	.565		*3684
4.406	4.000	1.531	18	.622		*3683
6.468	6.000	1.656	13	1.133		3689
9.031	8.500	1.871	11	1.891		3688





Factor	"X" Dim.	"Z" Dim	Est. Wt. Per Ft.		SECT. NO.
14	3.500	1.562	.710		*3692
14	4.000	1.594	.787		3691
14	4.500	1.625	.866		*3690
13	5.000	1.656	.964		3126
13	5.500	1.687	1.040		3127
13	6.000	1.719	1.123		*3128
10	9.062	1.922	2.160		3230

Section 1362

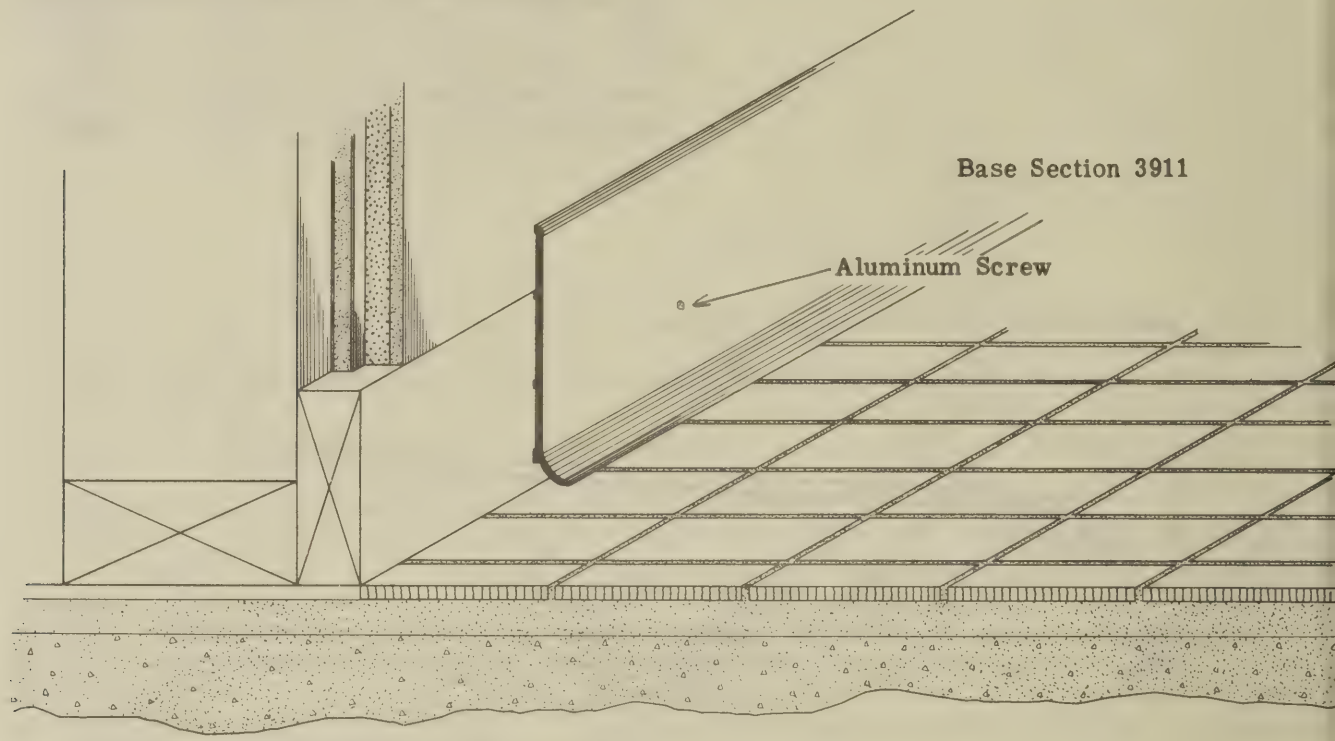


Est. Wt. Per Ft. - .293

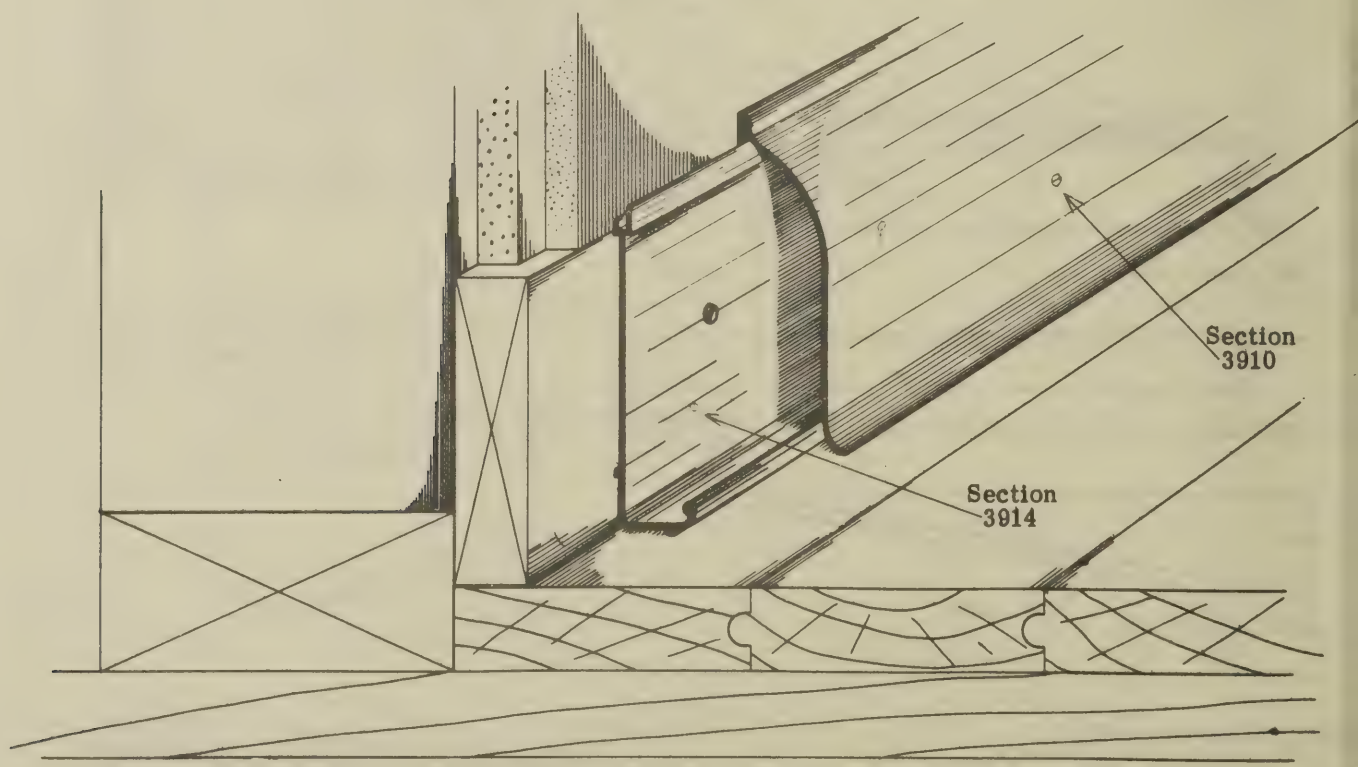
Scale-1:1
Factor-27

or General Specifications see pages 91, 92 & 93.
These sections are available in 61S, 63S, 24S and 75S alloys. Also available in 14S alloy if minimum
ickness is .125" OR MORE.
ctions not so marked are available in 61S and 63S only.

BASE MOLDINGS



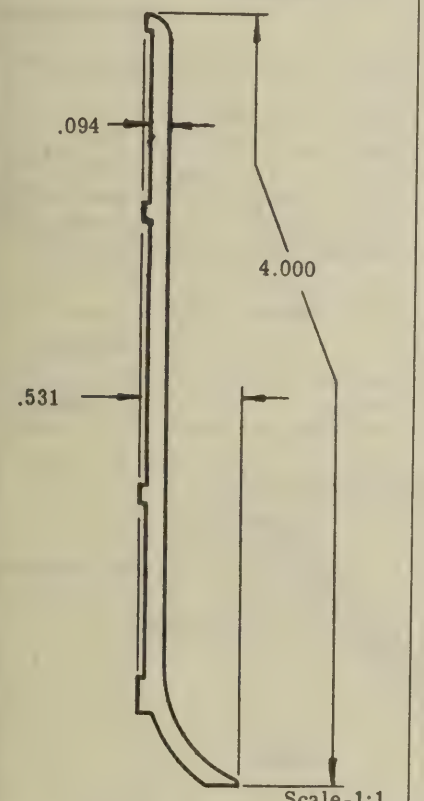
See page 55 for additional information on Section.



For General Specifications see pages 91, 92 & 93.
Alloy & Temper 61S-T5. Standard length 10 feet.

ASE MOLDINGS

Section 3911

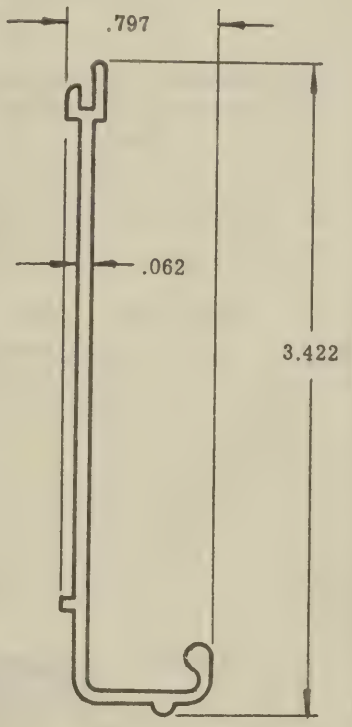


Scale-1:1

Est. Wt. Per Ft. - .484

Factor-18

Section 3914

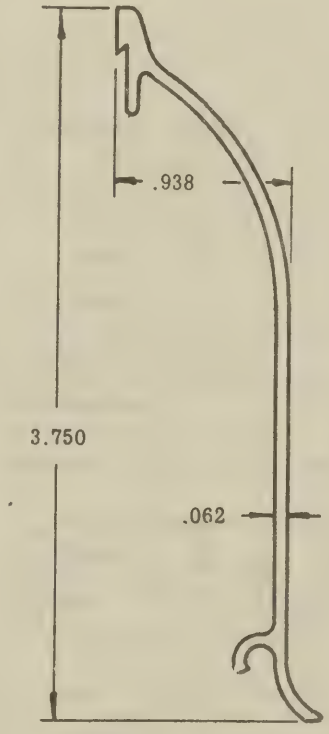


Scale-1:1

Est. Wt. Per Ft. - .354

Factor-27

Section 3910



Scale-1:1

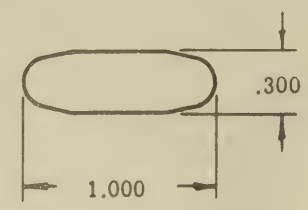
Est Wt. Per Ft. - .370

Factor-26

General Specifications see pages 91, 92 & 93.
ese sections are available in 61S, 63S, 24S and 75S alloys. Also available in 14S alloy if minimum
kness is .125" OR MORE.
ions not so marked are available in 61S and 63S only.

HANDRAILS AND BALUSTERS

Section 3718

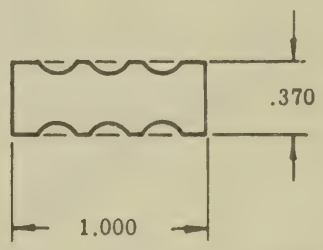


Scale-1.1

Est. Wt. Per Ft. - .323

Factor-7

Section *3716

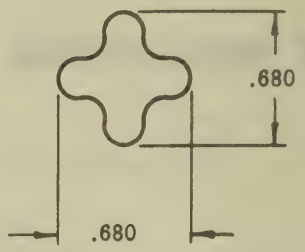


Scale-1:1

Est. Wt. Per Ft. - .378

Factor-8

Section *3715

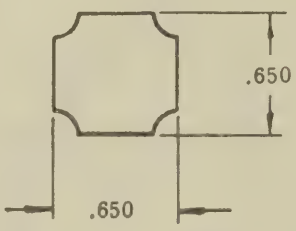


Scale-1:1

Est. Wt. Per Ft. - .268

Factor-8

Section *3717

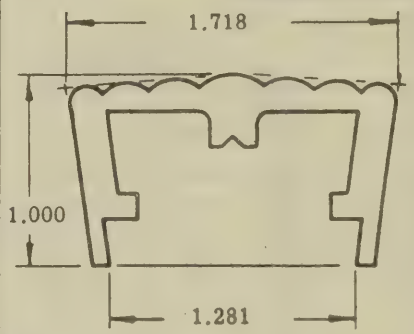


Scale 1:1

Est. Wt. Per Ft. - .448

Factor-5

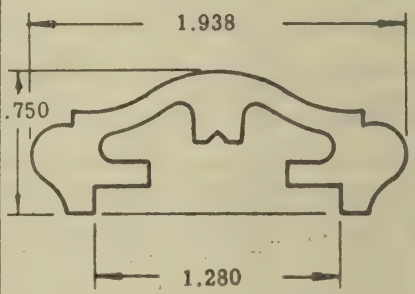
Section 3714



Est. Wt. Per Ft. - .677 Scale-1:1

Factor-11

Section 3134

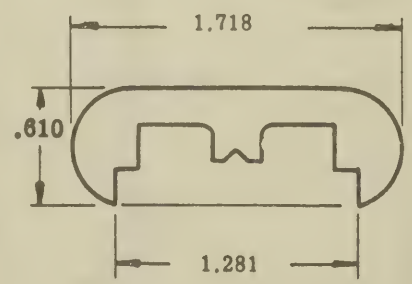


Scale-1:1

Est. Wt. Per Ft. - .645

Factor-11

Section 3720

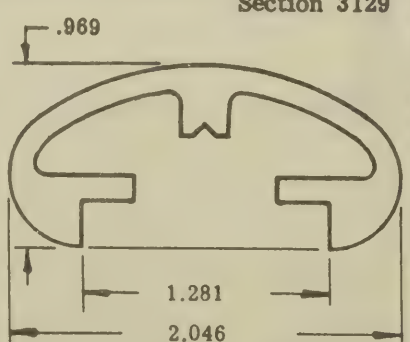


Scale-1:1

Est. Wt. Per Ft - .643

Factor-8

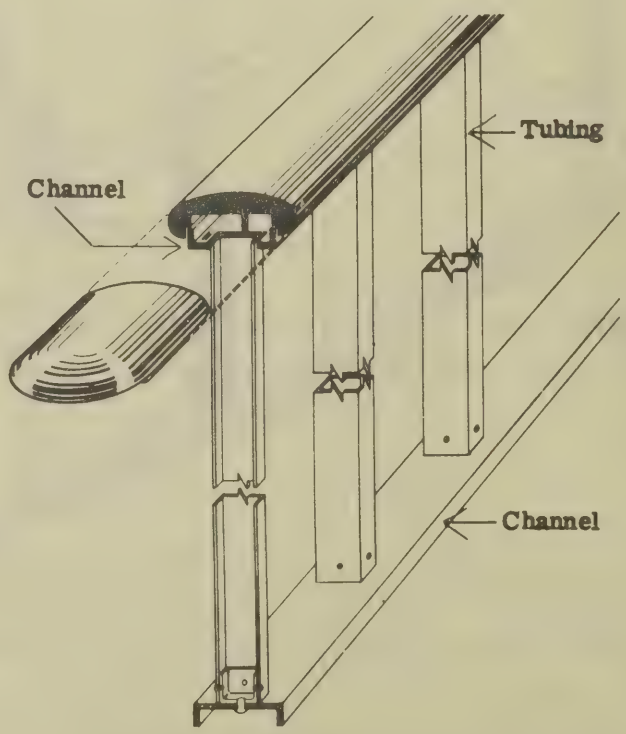
Section 3129



Scale-1:1

Est. Wt. Per Ft. - .828

Factor-10



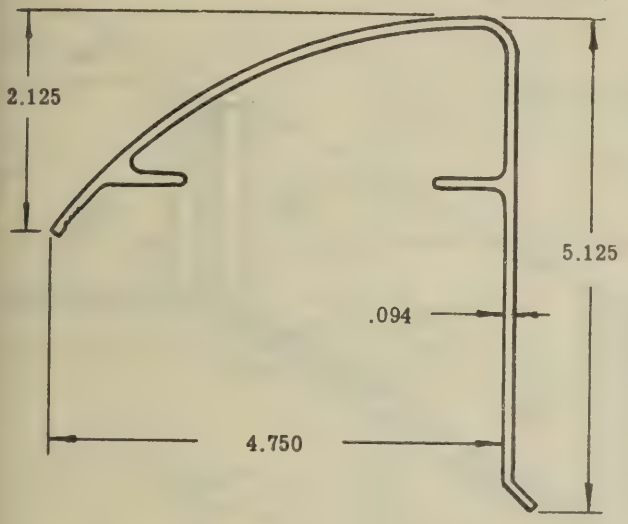
For General Specifications see pages 91, 92 & 93.

*These sections are available in 61S, 63S, 24S and 75S alloys. Also available in 14S alloy if minimum thickness is .125" OR MORE.

Sections not so marked are available in 61S and 63S only.

COPING SECTIONS

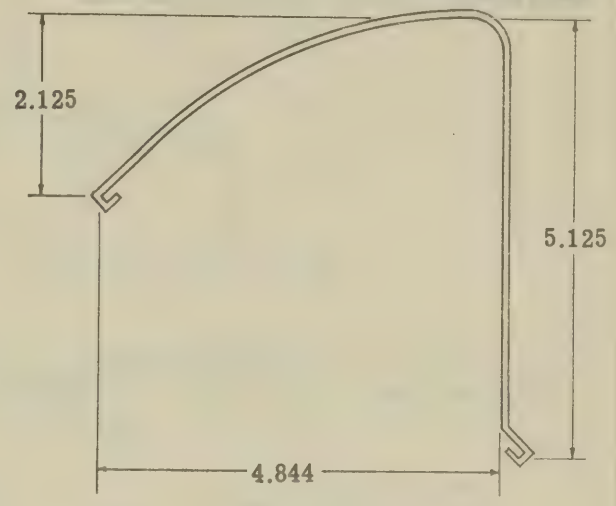
Section 3909



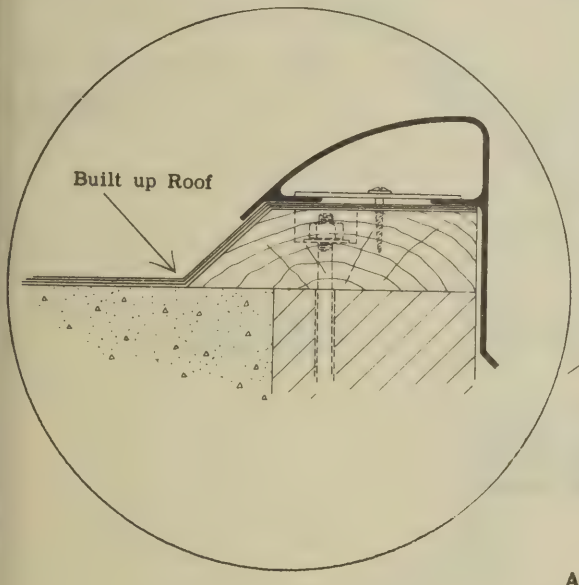
Est. Wt. Per Ft. - 1.385
D-Factor - 80

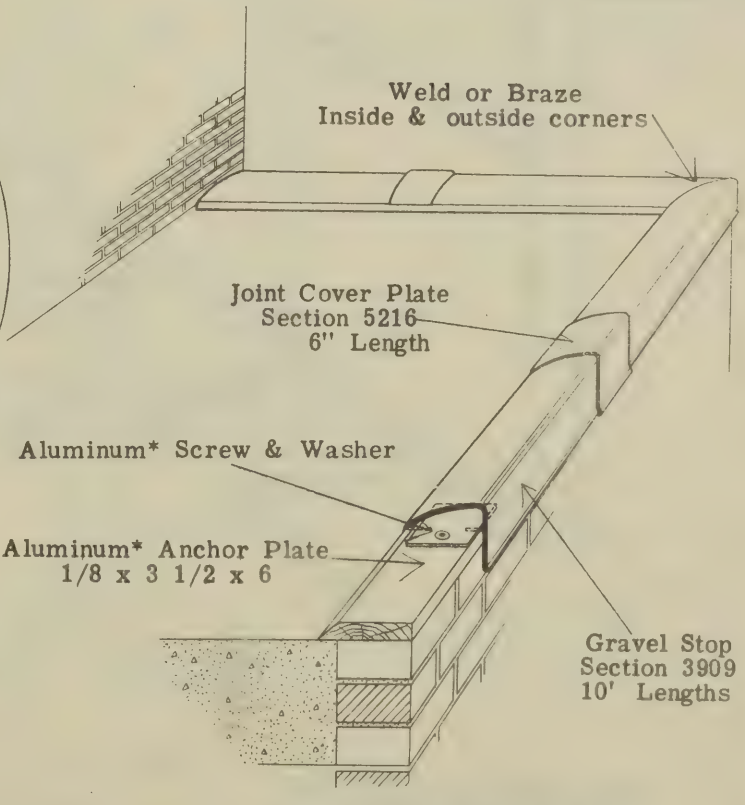
Scale-1:2
Factor-17

Section 5216



Cover Plate
6" Long



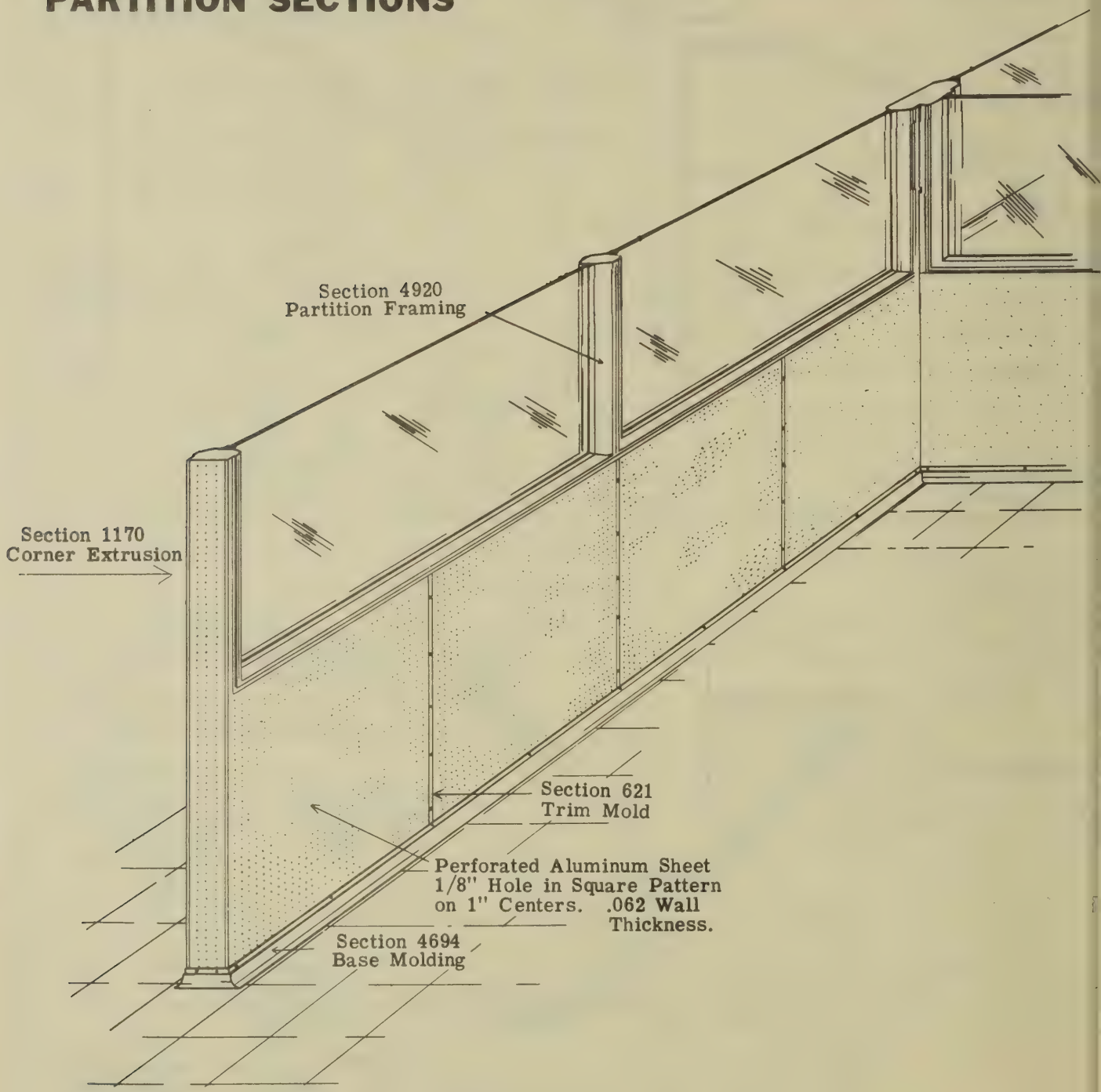


*Galvanized Steel or Cadmiun Plated Steel may be used instead of Aluminum.

These illustrations show suggested use of Reynolds Architectural Aluminum. Note that Reynolds furnishes mill products only . . . see your fabricator for finished assemblies.

For General Specifications see pages 91, 92 & 93.
These sections are available in 61S, 63S, 24S and 75S alloys. Also available in 14S alloy if minimum thickness is .125" OR MORE.
Sections not so marked are available in 61S and 63S only.

PARTITION SECTIONS

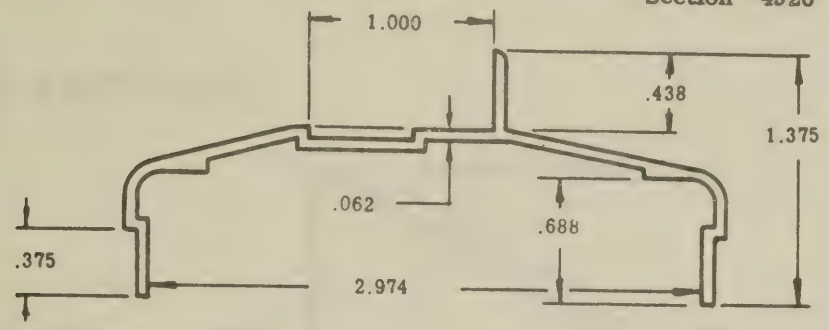


This illustration shows suggested use of Reynolds Architectural Aluminum. Note that Reynolds furnishes mill products only . . . see your fabricator for finished assemblies.

For General Specifications see pages 91, 92 & 93.
Alloy & Temper 63S-T5. Standard length 10 feet.

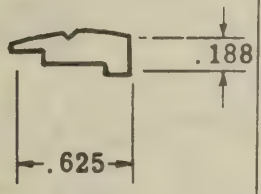
PARTITION SECTIONS

Section *4920



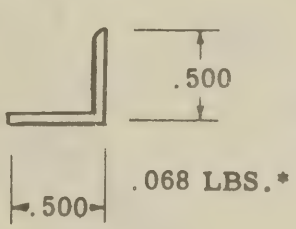
Est. Wt. Per Ft. - .407
D-Factor - 70
Factor-26
Scale-1:1

Section *4921



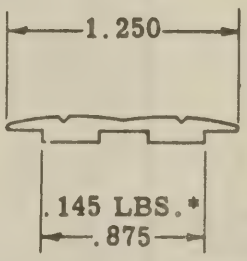
Est. Wt. Per Ft. - .091
Factor-17

Section *4919

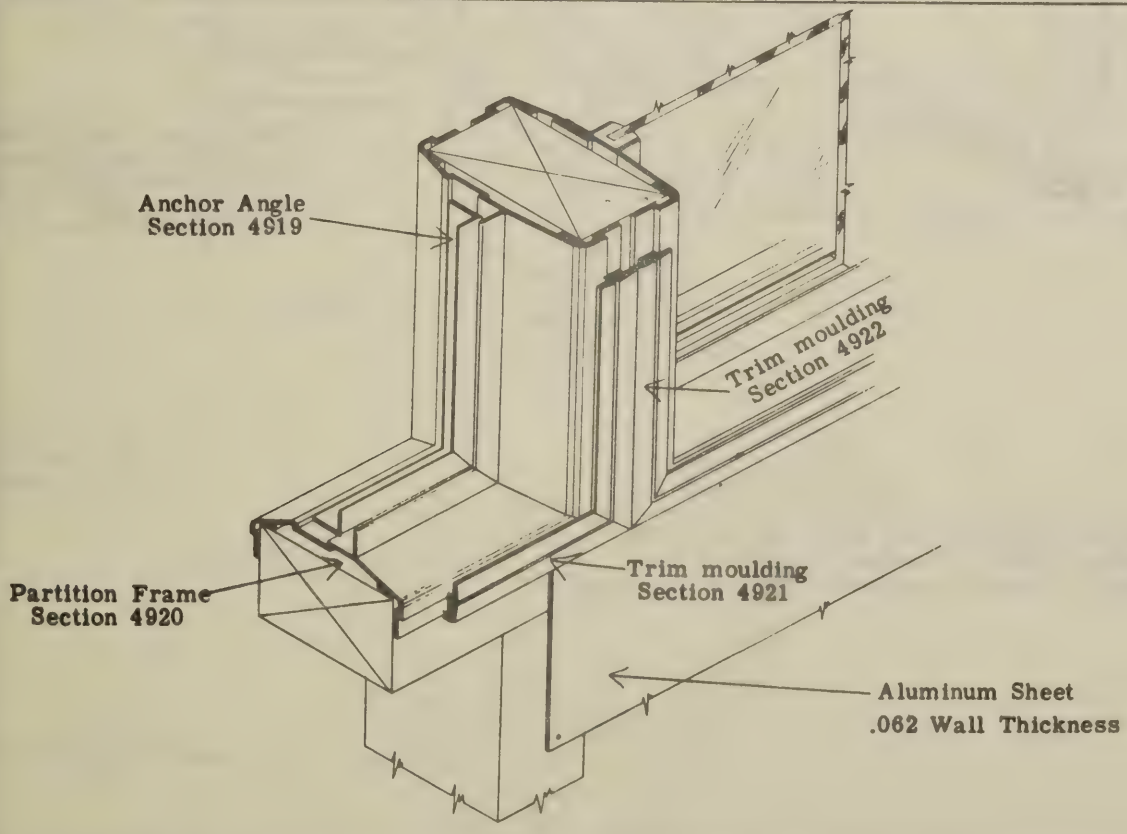


Est. Wt. Per Ft. - .068
Factor-29

Section *4922

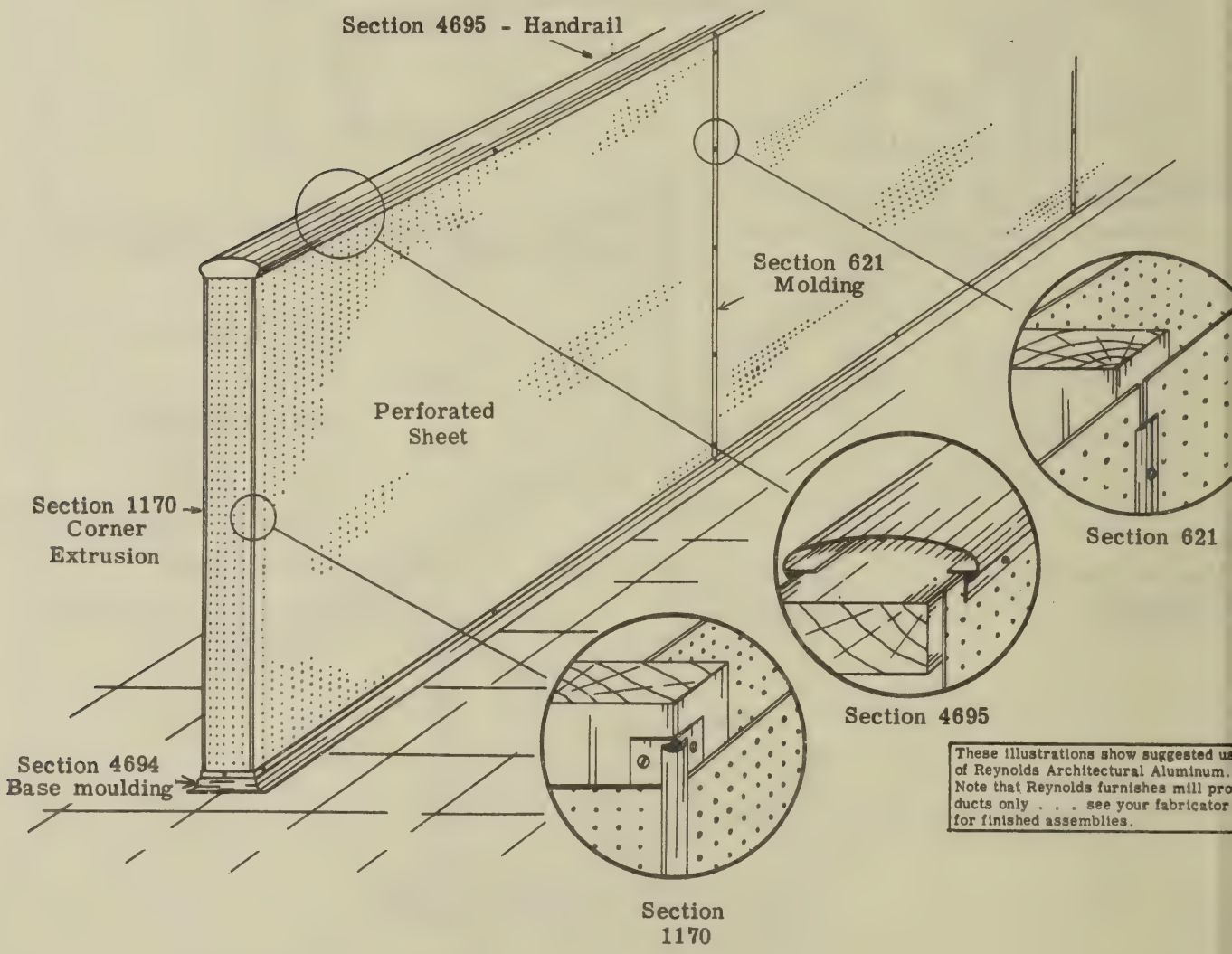


Est. Wt. Per Ft. - .145
Factor-20



For General Specifications see pages 91, 92 & 93.
*These sections are available in 61S, 63S, 24S and 75S alloys. Also available in 14S alloy if minimum thickness is .125" OR MORE.
Sections not so marked are available in 61S and 63S only.

PARTITION SECTIONS

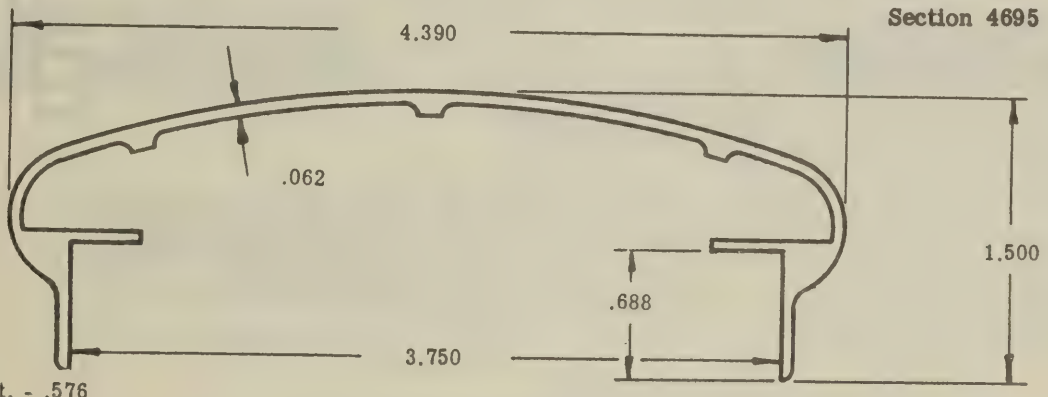


These illustrations show suggested us of Reynolds Architectural Aluminum. Note that Reynolds furnishes mill pro ducts only . . . see your fabricator for finished assemblies.

For General Specifications see pages 91, 92 & 93.
Alloy & Temper 63S-T5. Standard lengths 10 feet.
For Additional Information on these Sections See Page 64.

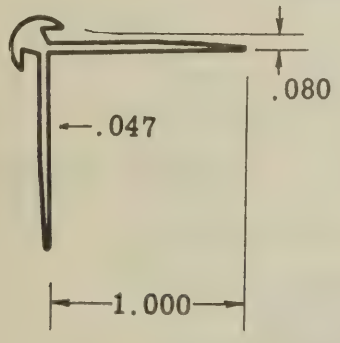
PARTITION SECTIONS

Section 4695



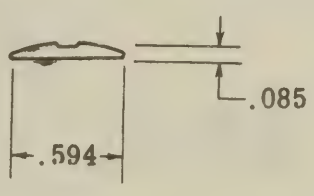
Est. Wt. Per Ft. - .576
D-Factor - 80
Factor-27
Scale-1:1

Section 1170



Est. Wt. Per Ft. - .137
Factor - 34
Scale - 1-1

Section 621



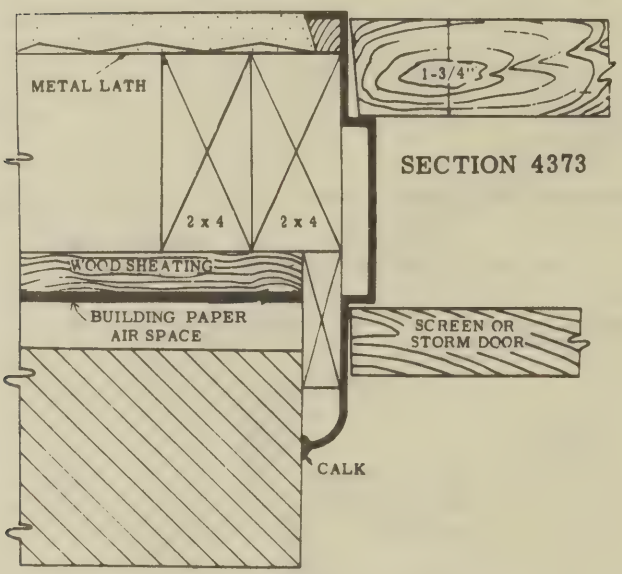
Est. Wt. Per Ft. - .043
Factor - 29
Scale - 1-1

For Assemble Drawings see page 60.

For General Specifications see pages 91, 92 & 93.
*These sections are available in 61S, 63S, 24S and 75S alloys. Also available in 14S alloy if minimum thickness is .125" OR MORE.
Sections not so marked are available in 61S and 63S only.

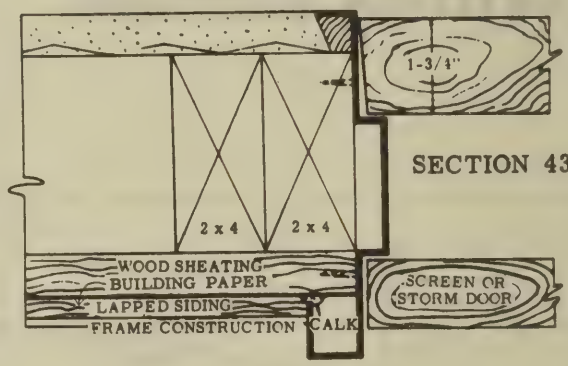
EXTERIOR DOOR JAMBS

BRICK VENEER



SECTION 4373

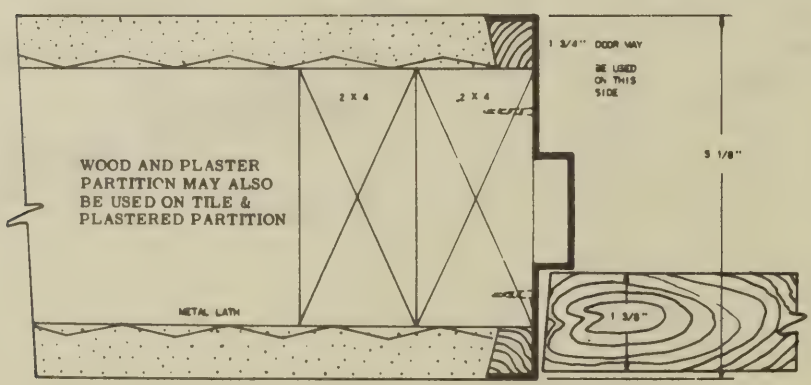
FRAME CONSTRUCTION



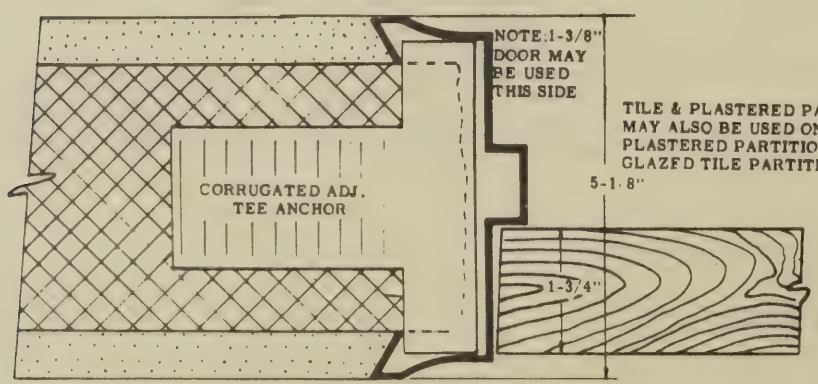
SECTION 4372

These illustrations show suggested use of Reynolds Architectural Aluminum. Note that Reynolds furnishes mill products only . . . see your fabricator for finished assemblies.

INTERIOR DOOR JAMBS



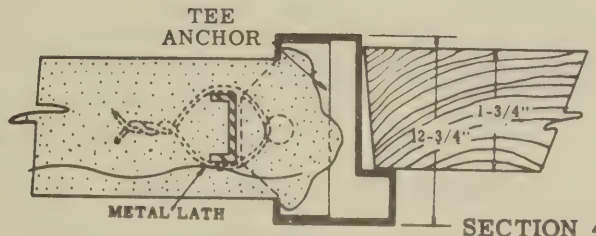
SECTION 4377



SECTION 4378

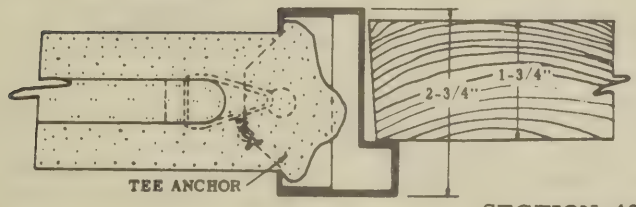
For General Specifications see pages 91, 92 & 93.
Alloy & Temper 63S-T5.
For Additional Information on these Sections See Page 64.

INTERIOR DOOR JAMBS



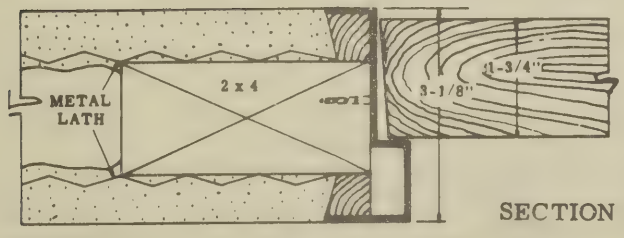
SECTION 4374

2" PLASTER PARTITION
(METAL LATH)



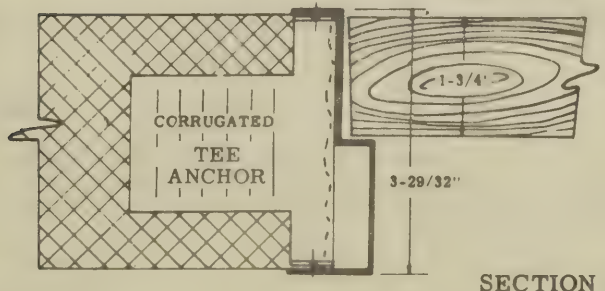
SECTION 4374

2" PLASTER PARTITION
(GYPSUM LATH)



SECTION 4375

3-1/8" WOOD & PLASTER PARTITION



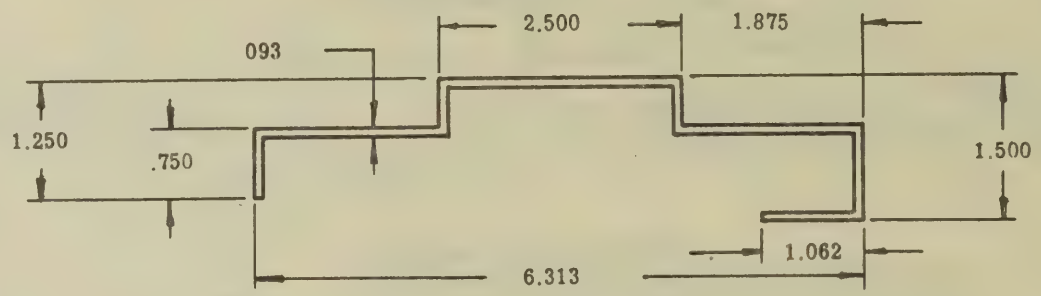
SECTION 4376

3-3/4" GLAZED TILE PARTITION

For General Specifications see pages 91, 92 & 93.
Alloy & Temper 63S-T5.

DOOR JAMBS

Section 4372

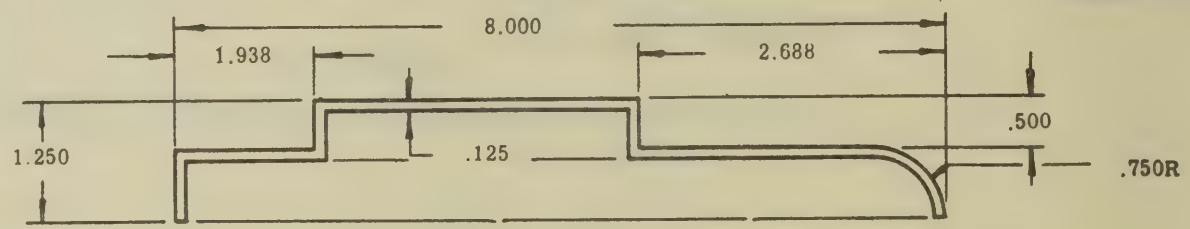


Est. Wt. Per Ft. - 1.099

Factor-18

Scale-1:2

Section 4373

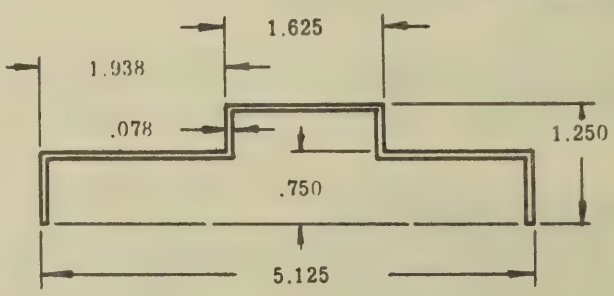


Est. Wt. Per Ft. - 1.493

Factor-14

Scale-1:2

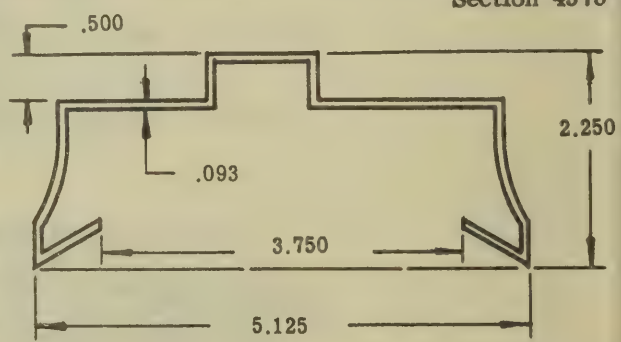
Section *4377



Est. Wt. Per Ft. - .700

Scale-1:2
Factor-22

Section 4378



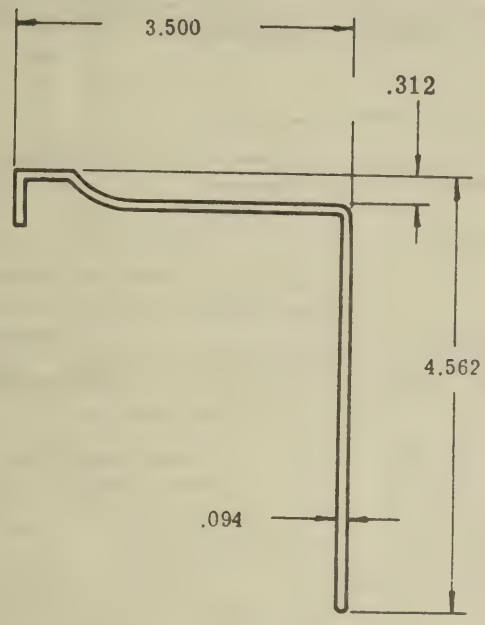
Est. Wt. Per Ft. - 1.154

Scale-1:2
Factor-18

For General Specifications see pages 91, 92 & 93.
*These sections are available in 61S, 63S, 24S and 75S alloys. Also available in 14S alloy if minimum thickness is .125" OR MORE.
Sections not so marked are available in 61S and 63S only.

EXTRUDED ALUMINUM SHAPES

Section 3712

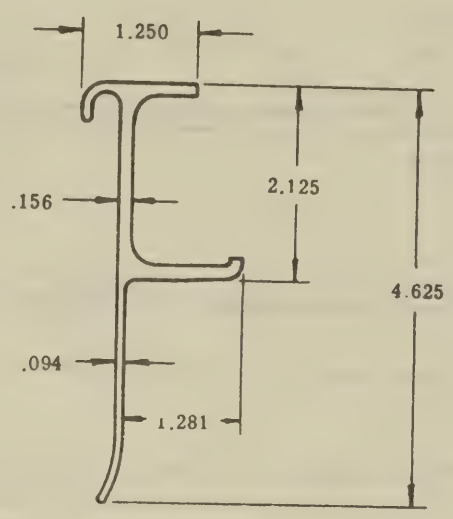


WINDOW TRIM

Est. Wt. Per Ft. - .924

scale-1:2
Factor-18

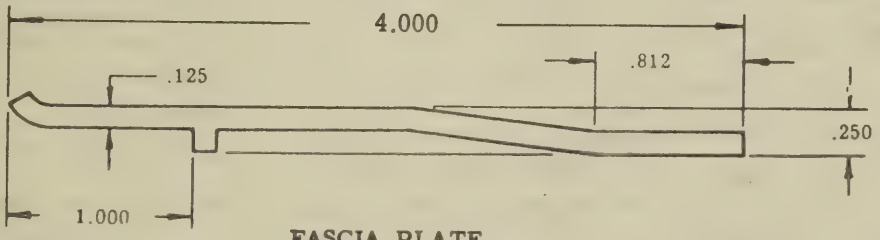
Section 3947



Est. Wt. Per Ft. - 1.134
D-Factor - 60

Scale-1:2
Factor-13

Section *3123

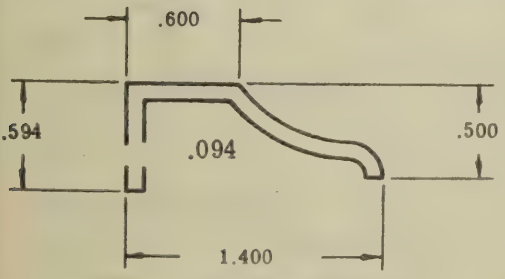


Est. Wt. Per Ft. - .648

FASCIA PLATE

Factor 13

Section *3711



WINDOW TRIM

Est. Wt. Per Ft. - .226
D-Factor - 50

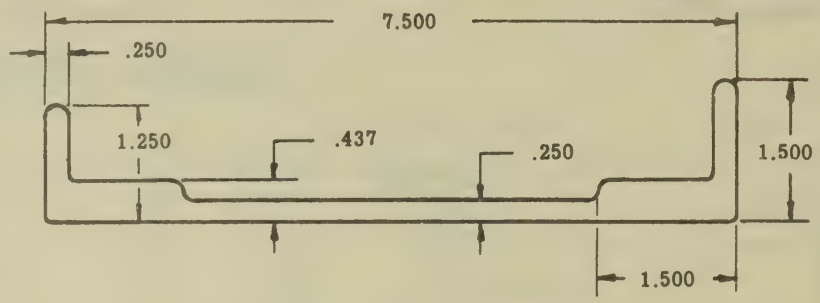
Scale-1:1
Factor-19

For General Specifications see pages 91, 92 & 93.
*These sections are available in 61S, 63S, 24S and 75S alloys. Also available in 14S alloy if minimum thickness is .125" OR MORE.
Sections not so marked are available in 61S and 63S only.

Non-Warehouse Sections March 30, 1953. Supersedes All Previous Data.

EXTRUDED ALUMINUM SHAPES

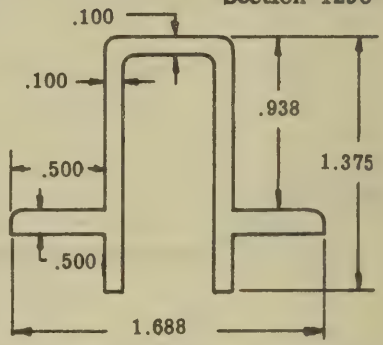
Section *2864



Est. Wt. Per Ft. - 3.476

Factor-6 Scale-1·2

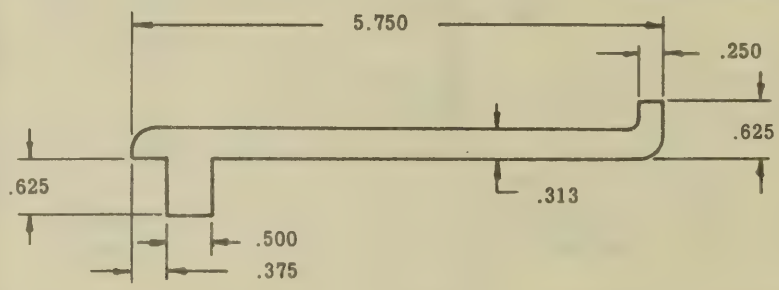
Section 1298



Est. Wt. Per Ft. - 536 Scale-1:1

Factor-16

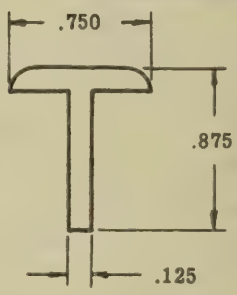
Section *2581



Est. Wt. Per Ft. - 2.600

Factor-5 Scale-1:2

Section 2463

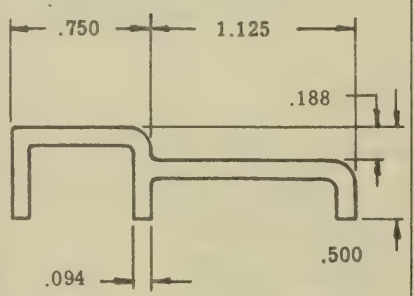


Scale-1:1

Est. Wt. Per Ft. - .218

Factor-14

Section 1295

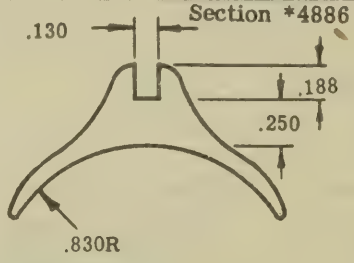


Scale-1:1

Est. Wt. Per Ft. - .328

Factor-16

Section *4886

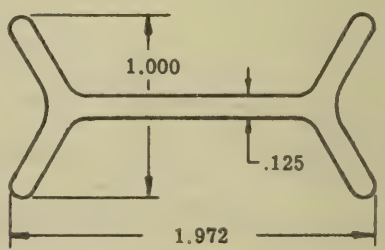


PARTITION SECTION

Est. Wt. Per Ft. - .367 Scale-1:1

Factor-12

Section 2737

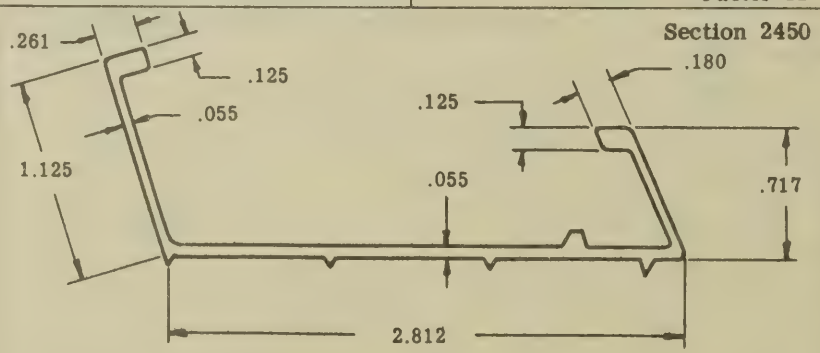


Scale-1:1

Est. Wt. Per Ft. - .487

Factor-13

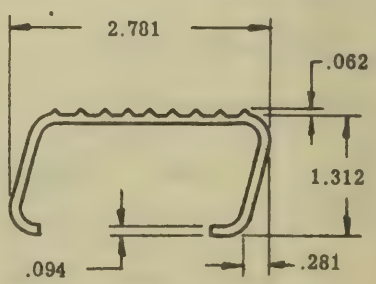
Section 2450



Est. Wt. Per Ft. - .376

Factor-27 Scale-1:1

Section 2521



Scale-1:2

Est. Wt. Per Ft. - .608

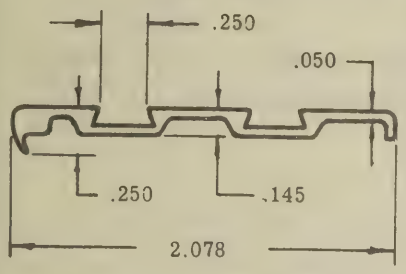
Factor-18

For General Specifications see pages 91, 92 & 93.

*These sections are available in 61S, 63S, 24S and 75S alloys. Also available in 14S alloy if minimum thickness is .125" OR MORE. Sections not so marked are available in 61S and 63S only.

EXTRUDED ALUMINUM SHAPES

Section 697

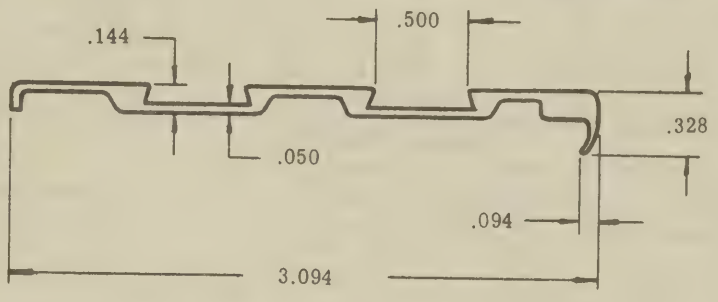


Scale-1:1

Est. Wt. Per Ft. - 203

Factor-26

Section 2453

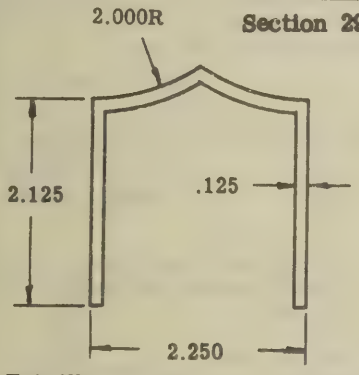


Est. Wt. Per Ft. - .288

Factor-27

Scale-1:1

Section 2976

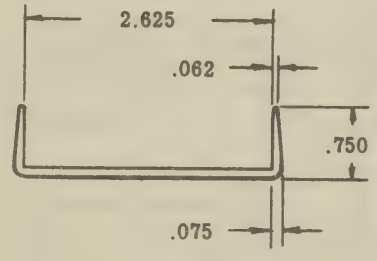


Est. Wt. Per Ft. -

Scale-1:2

Factor-13

Section 2815

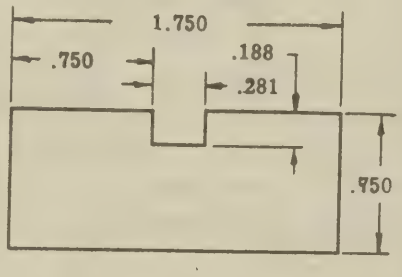


Est. Wt. Per Ft. - .356

Scale-1:2

Factor-23

Section *2691

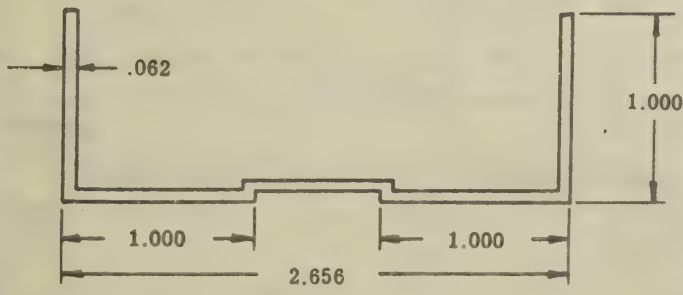


Scale-1:1

Est. Wt. Per Ft. - 1.312

Factor-4

Section 1364

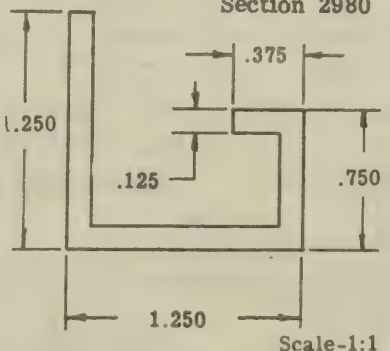


Est. Wt. Per Ft. - .350

Factor-26

Scale-1:1

Section 2980



Scale-1:1

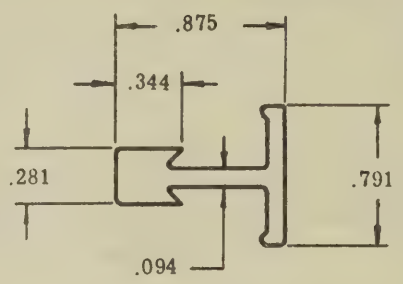
Est. Wt. Per Ft. - .487

Factor-14

For General Specifications see pages 91, 92 & 93.
*These sections are available in 61S, 63S, 24S and 75S alloys. Also available in 14S alloy if minimum thickness is .125" OR MORE.
Sections not so marked are available in 61S and 63S only.

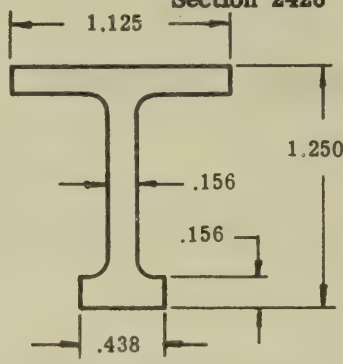
EXTRUDED ALUMINUM SHAPES

Section 831



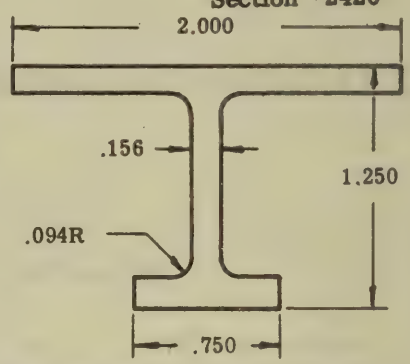
Est. Wt. Per Ft. - .245 Scale-1:1
Factor 15

Section 2428



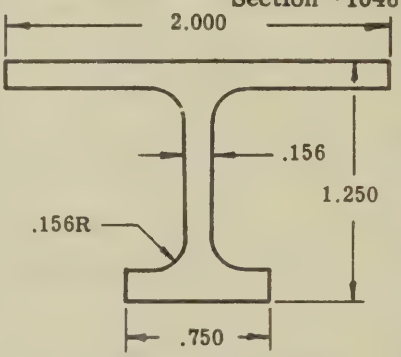
Est. Wt. Per Ft. - .476 Scale-1:1
Factor 10

Section *2426



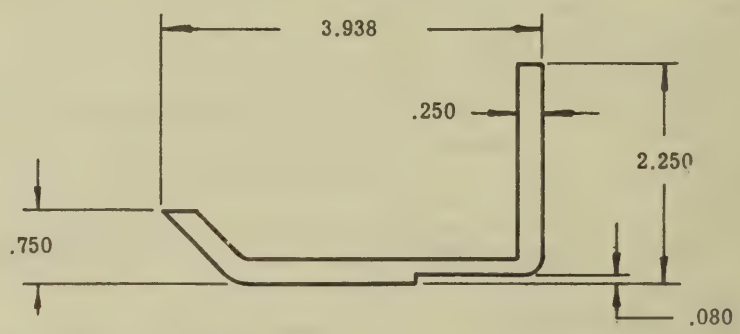
Est. Wt. Per Ft. - .700 Scale-1:1
Factor-11

Section *1048



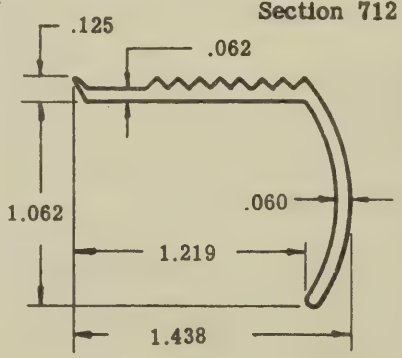
Est. Wt. Per Ft. - .714 Scale-1:1
Factor-11

Section *4750



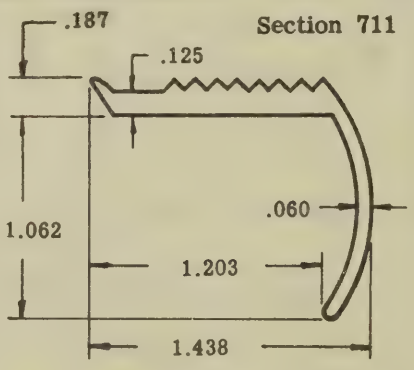
Est. Wt. Per Ft. - 1.667
Factor-7 Scale-1:2

Section 712



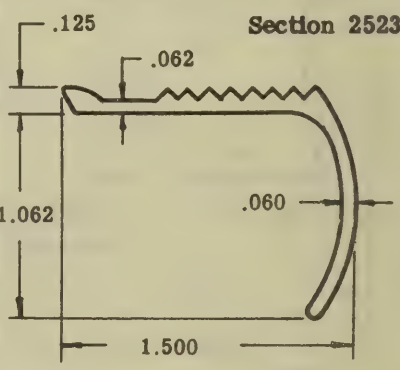
Est. Wt. Per Ft. - .204 Scale-1:1
Factor-26

Section 711



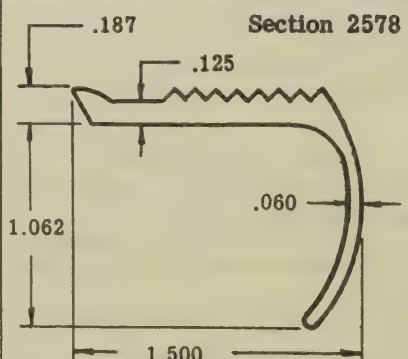
Est. Wt. Per Ft. - .304 Scale-1:1
Factor-18

Section 2523



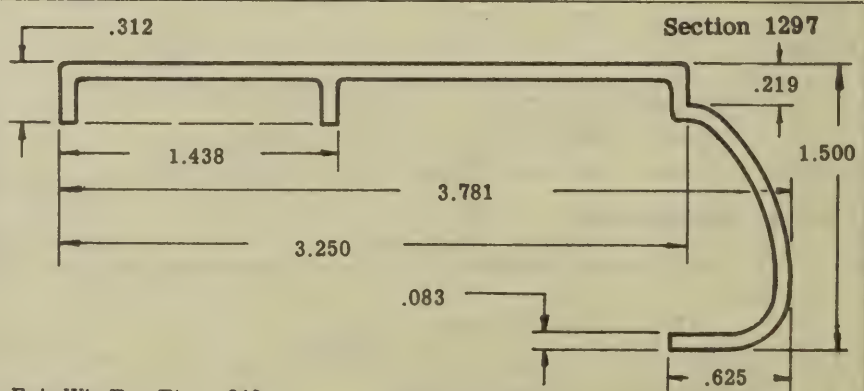
Est. Wt. Per Ft. - .238 Scale-1:1
Factor-24

Section 2578



Est. Wt. Per Ft - .334 Scale-1:1
Factor-16

Section 1297

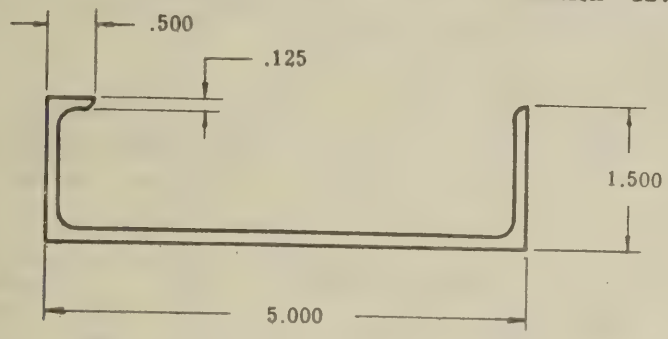


Est. Wt. Per Ft. - .648
Factor-18 Scale-1:1

For General Specifications see pages 91, 92 & 93.
*These sections are available in 61S, 63S, 24S and 75S alloys. Also available in 14S alloy if minimum thickness is .125" OR MORE. Sections not so marked are available in 61S and 63S only.

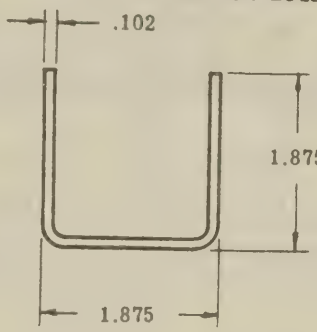
EXTRUDED ALUMINUM SHAPES

Section *1277



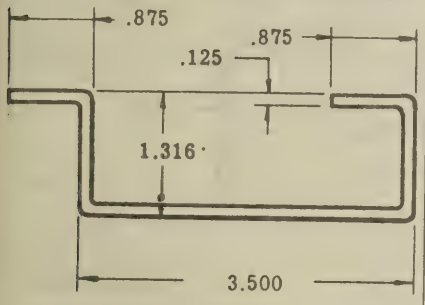
Est. Wt. Per Ft. - 1.301
Factor-12
Scale-1:2

Section 2843



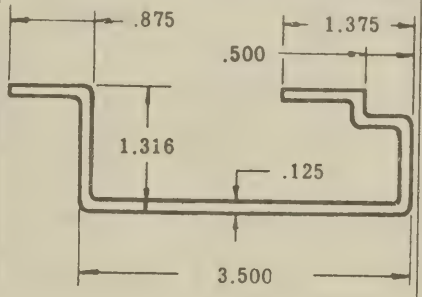
Scale-1:2
Est. Wt. Per Ft. - .646
Factor-16

Section 2961



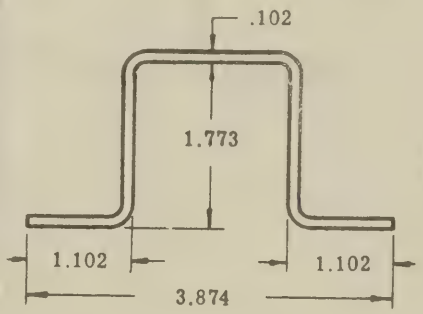
Scale-1:2
Est. Wt. Per Ft. - 1.104
Factor-13

Section 2960



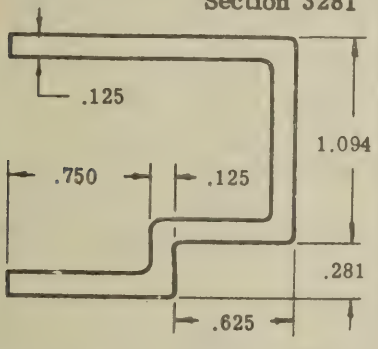
Scale-1:2
Est. Wt. Per Ft. - 1.176
Factor-13

Section *2850



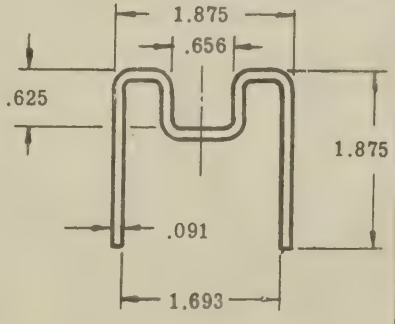
Est. Wt. Per Ft. - .871
Scale-1:2
Factor-17

Section 3281



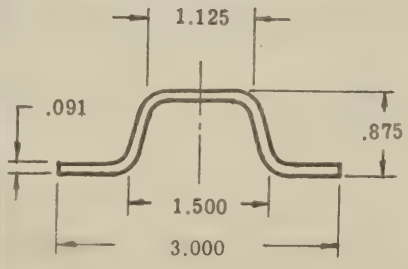
Est. Wt. Per Ft. - .619
Scale-1:1
Factor-14

Section *1289



Est. Wt. Per Ft. - .717
Scale-1:2
Factor-18

Section *1291

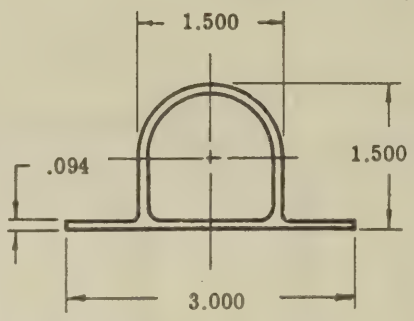


Scale-1:2
Est. Wt. Per Ft. - .444
Factor-18

r General Specifications see pages 91, 92 & 93.
hese sections are available in 61S, 63S, 24S and 75S alloys. Also available in 14S alloy if minimum
ckness is .125" OR MORE.
tions not so marked are available in 61S and 63S only.

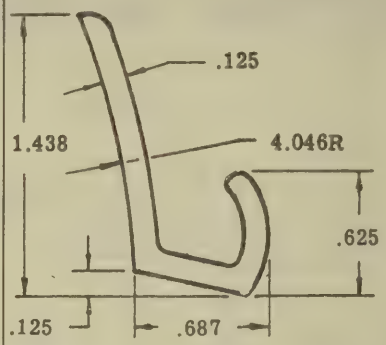
EXTRUDED ALUMINUM SHAPES

Section 1280



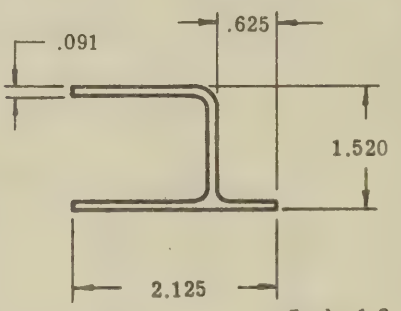
Est. Wt. Per Ft. - .742 Scale-1:2
Hollow-Class II Factor-18

Section 2455



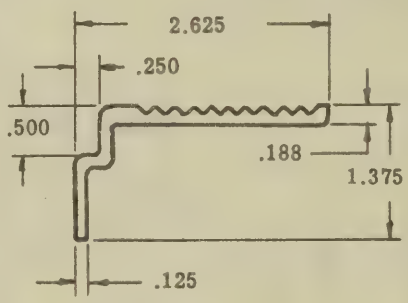
Est. Wt. Per Ft. - .347 Scale-1:1
Factor-14

Section *2522



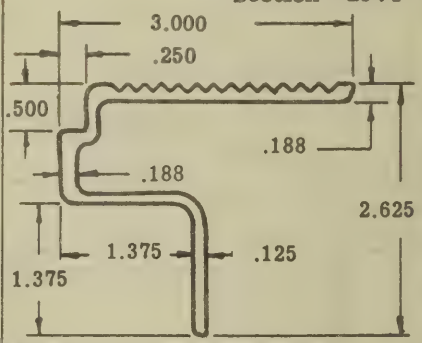
Scale-1:2
Est. Wt. Per Ft. - .540
Factor-18

Section *2962



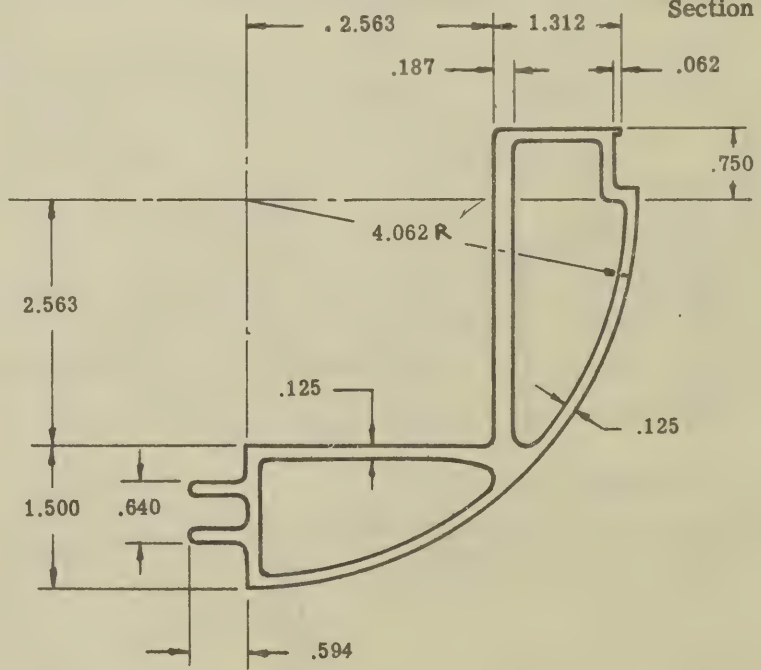
Est. Wt. Per Ft. - .690 Scale-1:2
Factor-12

Section *2974



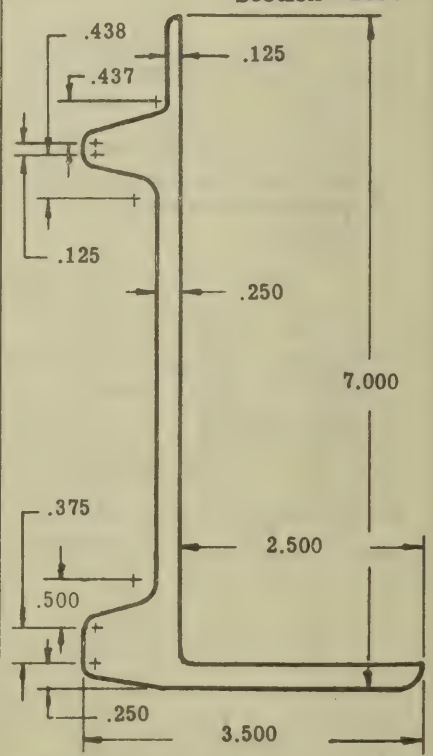
Est. Wt. Per Ft. - 1.171 Scale-1:2
Factor-12

Section 3182



Est. Wt. Per Ft. - 2.986
Hollow-Class III Factor-11 Scale-1:2

Section *2838



Est. Wt. Per Ft. - 3.840 Scale-1:2
Factor-6

For General Specifications see pages 91, 92 & 93.
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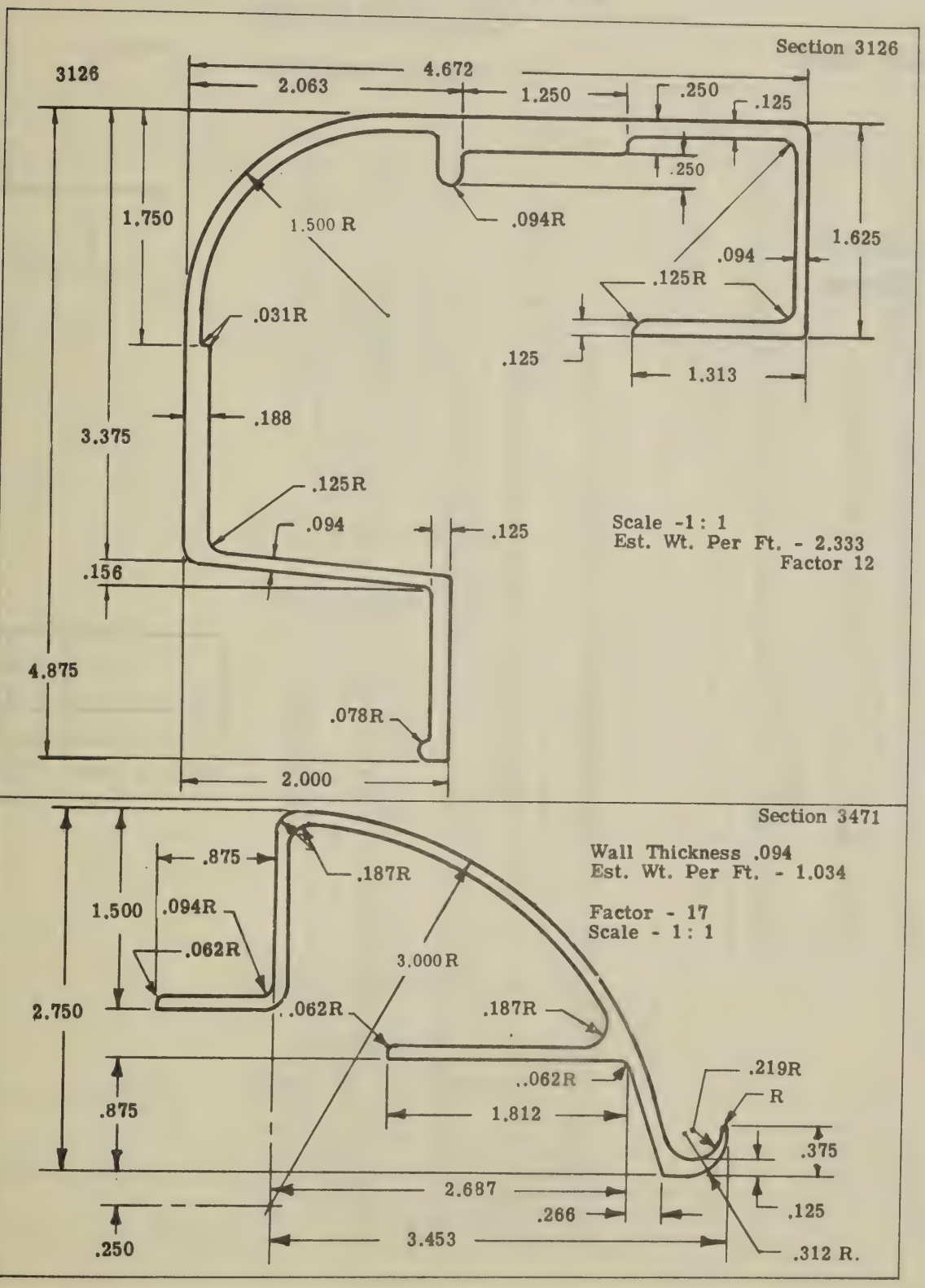
EXTRUDED ALUMINUM SHAPES



For General Specifications see pages 91, 92 & 93,

OCTAGON BAR

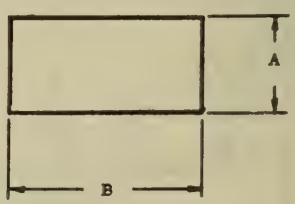
SECT. NO.	A		Wt/Ft.	F
*2424	.687		.462	5

RECTANGLES

Square Corners

SECT. NO.	A	B	Wt/Ft.	F
1697	.125	1.375	.206	15
1771	.125	2.500	.376	14
*2189	.125	3.000	.450	14
*3190	.156	2.750	.515	11
*5442	.156	3.500	.655	11
7159	.188	.969	.218	11
4763	.188	1.625	.367	10
*5532	.188	3.000	.677	9
*3753	.188	3.500	.787	9
6130	.188	4.000	.902	9
*4269	.250	3.500	1.050	7
*1082	.250	3.625	1.087	7
1436	.250	4.000	1.164	7
1508	.250	4.500	1.350	7
1529	.312	.750	.281	8
1496	.312	1.000	.375	7
747	.312	1.250	.469	7
*1700	.312	1.375	.516	7
1693	.312	1.500	.561	6
*6596	.312	1.750	.655	6
*6797	.312	3.000	1.123	6
*3656	.312	3.750	1.404	6
*1512	.375	.875	.392	6
*7161	.375	1.125	.506	6
* 529	.375	1.750	.787	5
*1530	.375	2.250	1.022	5
*6808	.375	2.375	1.068	5
*1768	.375	2.500	1.126	5
*2048	.375	3.500	1.578	5
*3067	.375	4.000	1.800	5
*6778	.375	4.750	2.137	5
*3066	.375	6.000	2.700	5
*7178	.438	.500	.263	7
*1552	.438	.625	.328	6
*6730	.438	1.328	.698	5
*1562	.500	.625	.376	6
*6343	.500	1.125	.674	5
*2105	.500	1.750	1.051	4
*1790	.500	2.250	1.362	4
*1793	.500	2.750	1.665	4
*4567	.500	3.125	1.876	4
*7095	.500	3.250	1.950	4
*1583	.500	3.500	2.037	4
1828	.500	4.000	2.396	4
*7047	.500	5.000	3.000	4
*6556	.531	.750	.478	5
1848	.562	.750	.505	5
*2002	.562	2.250	1.517	4
*4813	.568	.668	.455	5
*1537	.625	.750	.562	5

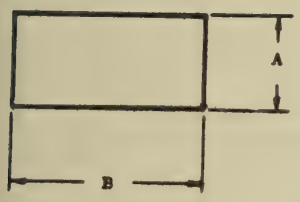
SECT NO.	A	B	Wt/Ft.	F
1453	.625	1.000	.749	4
1686	.625	1.250	.936	4
1553	.625	1.500	1.136	4
2007	.625	1.750	1.313	4
*1747	.625	2.000	1.498	4
*1786	.625	2.250	1.703	3
*7099	.625	2.375	1.781	4
*1787	.625	2.500	1.893	3
*1464	.625	2.750	2.019	3
*1591	.625	3.000	2.246	3
*7098	.625	3.312	2.484	3
*1746	.625	3.500	2.621	3
*7009	.625	4.375	3.281	3
*7100	.625	4.750	3.563	3
*6537	.625	7.000	5.250	3
*3347	.688	.750	.619	5
*7160	.700	1.040	.875	4
*1592	.750	.875	.786	4
*1450	.750	1.000	.899	4
*1688	.750	1.250	1.126	4
*1524	.750	1.750	1.572	3
*4313	.750	1.875	1.687	3
*1807	.750	2.500	2.246	3
*1809	.750	3.500	3.145	3
*1808	.750	4.000	3.594	3
*2044	.750	5.000	4.490	3
*4299	.750	6.000	5.400	3
*6535	.750	7.000	6.300	3
*6759	.812	1.500	1.462	3
*6760	.812	1.625	1.584	3
*6743	.812	3.750	3.654	2
*1531	.875	1.000	1.059	4
*1823	.875	1.125	1.179	3
*1721	.875	1.250	1.311	3
*1788	.875	1.750	1.854	3
*1620	.875	2.250	2.384	3
*6574	.875	2.500	2.621	3
*4310	.875	2.625	2.756	3
*6777	.875	2.750	2.887	3
*1966	.875	6.000	6.358	2
*7097	.875	6.500	6.826	2
*1683	1.000	1.250	1.499	3
*1715	1.000	1.375	1.650	3
*1701	1.000	1.750	2.121	3
*1555	1.000	2.500	2.995	2
*6438	1.000	3.750	4.500	2
*1615	1.000	4.000	4.800	2
*1500	1.000	6.000	7.200	2
*6441	1.000	6.500	7.800	2
*1738	1.125	1.500	2.026	3
*1964	1.125	2.750	3.707	2
*2001	1.125	3.000	4.053	2
*6437	1.250	1.375	2.063	3
*1753	1.250	1.500	2.250	2
*2036	1.250	2.000	3.000	2
*1722	1.250	2.250	3.377	2
*1557	1.250	2.500	3.744	2
*6598	1.250	2.750	4.126	2
*1616	1.250	3.000	4.451	2
*1509	1.375	1.750	2.887	2
*3832	1.375	1.796	2.964	2
*2058	1.375	1.875	3.093	2
*2037	1.375	2.000	3.300	2
*1911	1.375	2.250	3.707	2
*6597	1.375	3.000	4.950	2
*2087	1.375	3.500	5.776	2
*1559	1.500	2.000	3.594	2
*1560	1.500	2.250	4.053	2
*1764	1.500	2.500	4.500	2
*6670	1.500	2.625	4.726	2
*6595	1.500	3.000	5.400	2
*6839	1.500	3.375	6.074	2
*1974	1.500	3.500	6.358	2
*1810	1.500	4.008	7.188	2



For General Specifications see pages 91, 92 & 93.
*These sections are available in 61S, 63S, 24S and 75S alloys. Also available in 14S alloy if minimum thickness is .125" OR MORE.
Sections not so marked are available in 61S and 63S only.

RECTANGLES

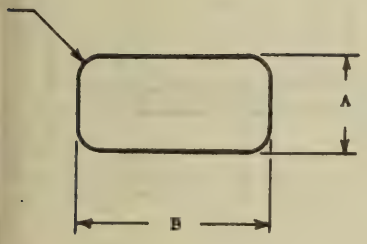
Square Corners



SECT. NO.	A	B	Wt/Ft.	F		SECT. NO.	A	B	Wt/Ft.	F	
*1812	1.500	6.000	10.782	1		*1505	2.375	4.000	11.172	1	
*1585	1.625	3.750	7.310	1		*6440	2.500	2.625	7.874	1	
*7177	1.625	4.875	9.506	1		*1926	2.500	2.750	8.236	1	
*4312	1.750	2.250	4.726	2		*4600	2.500	3.000	11.000	1	
*4641	1.750	2.500	5.250	2		*6427	2.500	3.250	9.750	1	
*1780	1.750	3.000	6.290	2		*1602	2.500	3.500	10.500	1	
*1584	1.750	3.500	7.350	1		*1736	2.500	4.000	11.980	1	
*6980	1.750	4.750	9.976	1		*1666	2.500	4.500	13.478	1	
*4311	1.875	2.000	4.500	2		*1665	2.500	5.000	14.975	1	
*1757	1.875	2.750	9.250	1		*6635	2.500	6.000	18.000	1	
*1493	2.000	2.250	5.391	2		*1504	2.750	3.000	9.700	1	
*1766	2.000	2.500	6.000	2		*7179	2.750	3.250	10.726	1	
*1792	2.000	2.750	6.661	1		*1831	2.750	4.000	13.178	1	
*1720	2.000	3.000	7.188	1		*7180	2.750	4.750	15.624	1	
*1813	2.000	4.000	9.584	1		*7181	3.000	3.375	12.150	1	
*3103	2.000	4.500	10.800	1		*1507	3.000	4.000	14.112	1	
*1814	2.000	6.000	14.376	1		*6435	3.000	6.000	21.600	1	
*6538	2.125	2.625	6.694	1		*6539	3.250	3.750	14.626	1	
*1594	2.250	4.000	10.800	1		*6798	3.750	6.000	27.000	1	
*1982	2.250	4.500	12.130	1							

RECTANGLES

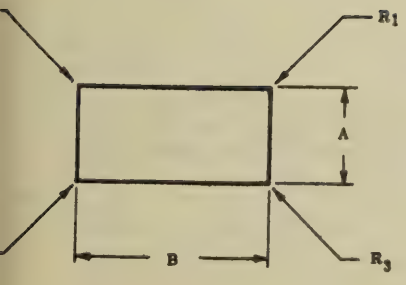
Round Corners



SECT. NO.	A	B	R		Wt/Ft.	F	
3695	.062	3.750	.031		.281	27	
*3701	.135	2.500	.010		.406	13	
4453	.235	.740	.031		.208	9	
*4275	.250	.780	.125		.218	8	
6252	.250	1.000	.062		.296	8	
*2045	.375	1.000	.063		.446	6	
2197	.375	1.187	.187		.498	6	
2198	.375	1.295	.187		.547	6	
1447	.500	1.062	.031		.636	5	
*3534	.500	1.500	.062		.896	3	
*1725	.562	1.625	.031		1.096	4	
*6315	2.750	3.000	.060		9.896	1	
*6316	3.250	3.500	.060		13.646	1	

RECTANGLES

Unequal Round Corners

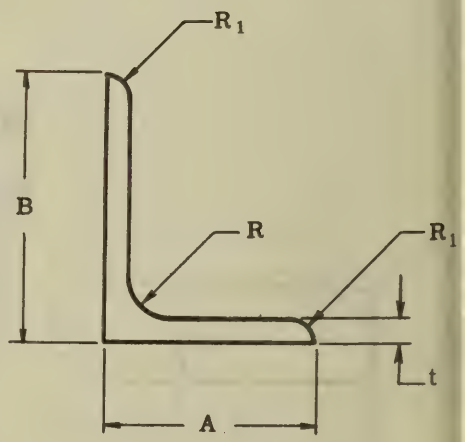


SECT. NO.	A	B	R	R_1	R_2	R_3		Wt/Ft.	F	
*3918	.125	1.750	.062		.062			.260	14	
*2546	.250	.750	.063	.063				.222	9	
*1161	1.015	1.522		.507		.507		1.721	3	

eneral Specifications see pages 91, 92 & 93.
sections are available in 61S, 63S, 24S and 75S alloys. Also available in 14S alloy if minimum
ss is .125" OR MORE.
s not so marked are available in 61S and 63S only.

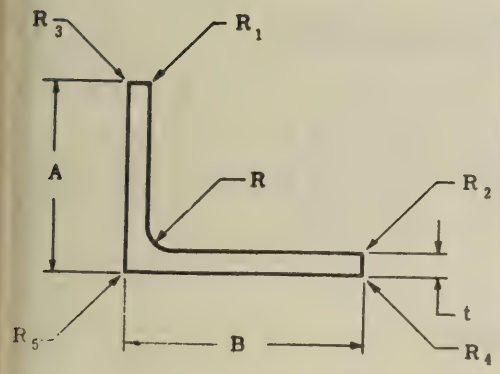
ANGLES, Structural Standards

SECT. NO.	A	B	t	R	R_1		Wt/Ft	F
*2318	.750	.750	.125	.125	.094		.205	14
6672	.750	.750	.188	.125	.094		.295	10
4089	.750	1.250	.094	.094	.047		.219	18
49	1.000	.750	.125	.062	.062		.242	14
*4085	1.000	1.000	.094	.125	.094		.215	18
118	1.000	1.000	.125	.125	.094		.280	14
5665	1.000	1.000	.250	.125	.094		.524	7
* 525	1.000	1.250	.094	.125	.094		.242	18
*3073	1.000	1.500	.156	.156	.078		.438	11
2367	1.125	1.125	.125	.188	.125		.320	13
1320	1.250	1.000	.125	.125	.062		.320	13
*2382	1.250	1.250	.094	.094	.047		.272	18
*4088	1.250	1.250	.125	.187	.125		.358	13
*4066	1.250	1.250	.188	.188	.125		.522	9
*2386	1.250	1.250	.250	.187	.125		.676	7
*2379	1.250	1.500	.125	.187	.125		.395	13
*4087	1.250	1.500	.187	.187	.125		.576	9
591	1.250	1.750	.125	.188	.125		.432	14
*4086	1.250	2.000	.125	.187	.125		.469	13
*6078	1.250	3.000	.156	.250	.125		.774	11
2086	1.500	.750	.125	.125	.062		.322	14
* 122	1.500	1.500	.125	.187	.125		.432	13
121	1.500	1.500	.188	.188	.125		.631	9
*2055	1.500	1.500	.250	.188	.125		.826	7
5656	1.500	1.500	.312	.188	.125		1.008	6
*1314	1.500	2.000	.125	.188	.125		.508	13
*1840	1.500	2.000	.187	.187	.125		.748	9
2363	1.500	2.000	.250	.187	.125		.976	7
*4514	1.500	2.500	.125	.250	.125		.589	13
308	1.500	2.500	.188	.250	.125		.868	9
*3436	1.500	2.500	.250	.250	.125		1.133	7
*2601	1.750	1.750	.125	.188	.125		.507	13
*2696	1.750	1.750	.187	.187	.125		.748	9
*4307	1.750	1.750	.250	.188	.125		.976	7
*1104	2.000	2.000	.125	.250	.125		.588	13
*1822	2.000	2.000	.250	.250	.125		1.133	7
5567	2.000	2.000	.312	.250	.125		1.338	6
*2163	2.000	2.500	.188	.250	.125		.980	9
5568	2.000	2.500	.250	.250	.125		1.283	7
6017	2.000	2.500	.312	.250	.125		1.576	6
*3518	2.000	2.500	.375	.250	.125		1.884	5
*2164	2.000	3.000	.188	.313	.188		1.091	9
*5362	2.000	3.000	.312	.312	.188		1.762	6
*5361	2.000	3.000	.375	.312	.188		2.088	5
*5344	2.500	2.500	.125	.250	.125		.739	13
*3998	2.500	2.500	.187	.250	.125		1.088	9
5565	2.500	2.500	.312	.250	.125		1.763	6
5566	2.500	2.500	.375	.250	.125		2.089	5
*3437	2.500	3.000	.250	.312	.250		1.568	7
*4635	2.500	3.000	.312	.312	.250		1.958	5
*3660	2.500	3.500	.250	.312	.250		1.718	7
*3246	2.500	3.500	.375	.313	.250		2.524	5
2695	3.000	3.000	.250	.312	.250		1.720	7
*5461	3.000	3.000	.312	.312	.250		2.123	5
5808	3.000	3.000	.500	.312	.250		3.293	4
*4782	3.000	3.500	.312	.375	.250		2.317	5
*2697	3.000	4.000	.250	.375	.250		2.047	7
5443	3.000	4.000	.312	.375	.250		2.509	5
5444	3.000	4.000	.500	.375	.250		3.905	3
*2544	3.000	5.000	.375	.375	.313		3.376	5
*3659	3.500	3.500	.250	.375	.250		2.029	7
*4783	3.500	3.500	.312	.375	.250		2.504	5
5786	3.500	4.000	.375	.375	.312		3.192	5
5616	3.500	5.000	.312	.438	.312		3.065	5
*5363	3.500	5.000	.500	.438	.312		4.799	3
5641	3.500	6.000	.312	.500	.312		3.455	5



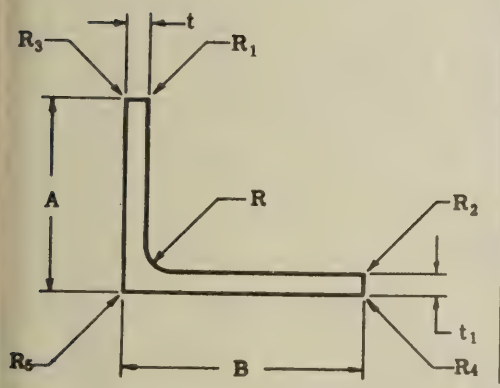
For General Specifications see pages 91, 92 & 93.
*These sections are available in 61S, 63S, 24S and 75S alloys. Also available in 14S alloy if minimum thickness is .125" OR MORE.
Sections not so marked are available in 61S and 63S only.

ANGLES, Unequal Legs - Equal Thickness



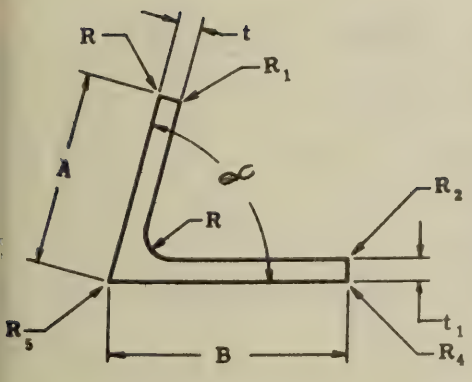
SECT. NO.	A	B	t	R	R_1	R_2	R_3	R_4	R_5		Wt/Ft	F
*4064	1.250	1.500	.094	.125	.094	.094					.299	18
2577	1.250	1.500	.125	.062	.062	.062	.062	.062	.187		.380	14
1028	1.250	1.500	.187	.187	.125	.125					.548	9
*2178	1.250	2.500	.125	.188	.094	.094	.010	.010	.010		.547	13
*2216	1.250	2.500	.125	.250							.559	13
*4004	1.350	2.000	.250	.187							.940	7
*4590	1.500	1.750	.094	.094							.358	18
* 513	1.500	2.000	.125	.062	.010	.010	.010	.010	.010		.506	14
*3992	1.500	2.250	.250	.250	.125	.125					1.058	7
*3422	1.500	2.500	.375	.125	.375	.375					1.564	5
*3256	1.500	3.250	.125	.188							.703	13
*4574	2.000	2.500	.100	.160	.030	.030	.030	.030	.030		.534	17
*2362	2.000	2.500	.250								1.276	7
*2763	2.000	4.000	.250		.125	.125	.125	.125			1.710	7
*4165	2.100	2.750	.250	.160							1.386	7
*2182	2.500	3.000	.313								1.945	6
*2668	2.500	3.375	.125	.187	.125	.125					.865	13
*3360	2.750	3.250	.188	.188							1.320	9
*5444	3.000	4.000	.500	.375	.250	.250					2.509	5
*3396	4.000	6.000	.625	.500	.375	.375					7.024	3
*2566	4.000	10.000	.312	.312	.187	.187					5.131	5

ANGLES, Unequal Legs - Unequal Thickness



SECT. NO.	A	B	t	t_1	R	R_1	R_2	R_3	R_4	R_5		Wt/Ft	F
*4160	1.000	1.380	.430	.310	.190							.252	5
*4879	1.000	1.500	.125	.062								.878	20
3092	1.000	1.625	.156	.187	.062	.187	.187	.187	.187			.518	10
*4578	1.000	2.500	.220	.090	.090	.030	.030	.030	.030	.030		.511	13
*3979	1.060	1.600	.200	.100	.120	.100		.100				.421	12
*4185	1.120	1.140	.180	.250	.120							.534	8
*2973	1.125	1.438	.156	.188	.063	.010	.010	.010	.010			.500	10
*3057	1.125	3.875	.250	.188	.188							1.159	9
*3983	1.125	4.375	.343	.187	.125	.062	.062					1.373	8
*4187	1.130	3.000	.190	.120	.180							.670	12
*3985	1.200	1.500	.280	.180	.180							.676	8
*4002	1.310	2.000	.094	.190	.130	.094						.584	11
*3991	1.380	2.100	.250	.125	.120							.695	10
*4003	1.500	2.000	.460	.310	.200							1 411	5
*4182	1.500	4.750	.500	.220	.250							2.038	6
*4005	1.600	2.000	.190	.100	.190							.592	12
*4788	2.000	2.250	.470	.310	.250							1.806	5
*4577	2.250	2.450	.420	.320	.280	.030	.030	.030	.030	.030		1.934	5

ANGLES, Unequal Legs - Unequal Thickness Angles Less Than 90°



SECT. NO.	A	B	t	t_1	R	R_1	R_2	R_3	R_4	R_5	CC		Wt/Ft	F
*4180	1.000	1.880	.188	.090	.156	.060	.060				87-30		.414	14
*4427	1.110	2.100	.200	.100	.120	.360					88-00		.484	13

For General Specifications see pages 91, 92 & 93.
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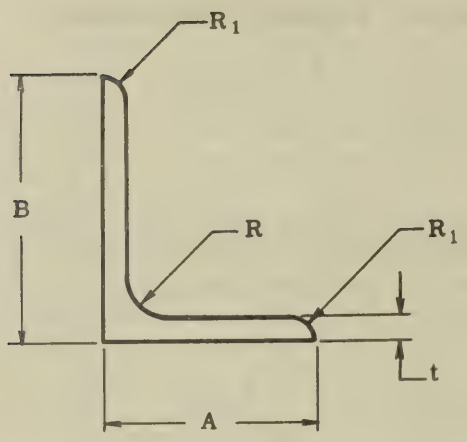
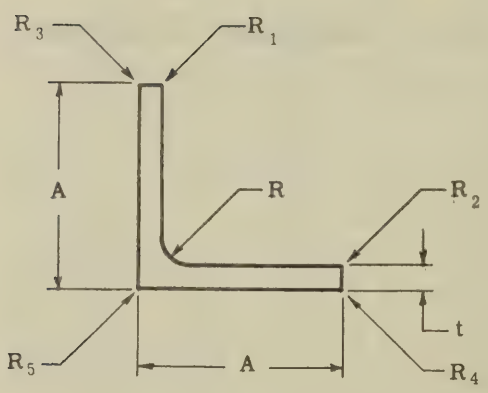


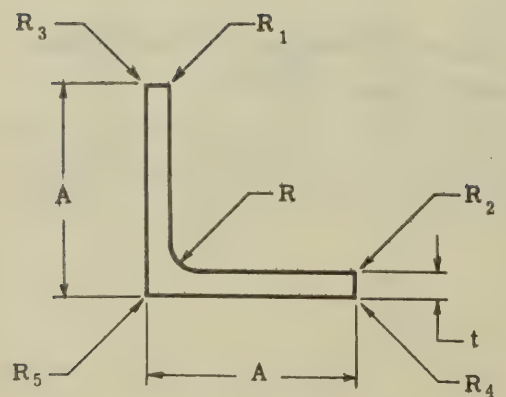
ANGLES, Structural Standards

SECT. NO.	A	B	t	R	R_1		Wt/Ft	F
6733	4.000	4.000	.312	.375	.250		2.882	5
*3599	4.000	6.000	.375	.500	.375		4.323	5
6825	4.000	6.000	.500	.500	.375		5.692	3
*2373	5.000	5.000	.375	.500	.375		4.324	5
*5364	5.000	5.000	.625	.500	.375		7.024	3
*5406	6.000	6.000	.500	.500	.375		6.893	3



ANGLES, Unequal Legs - Equal Thickness

SECT. NO.	A	t	R	R_1	R_2	R_3	R_4	R_5		Wt/Ft	F
4748	1.000	.093	.010	.046	.046	.046	.046	.062		.210	19
786	1.000	.125								.282	14
* 47	1.000	.094	.125	.094	.094	.010	.010	.010		.214	18
* 131	1.000	.187	.125	.094	.094	.010	.010	.010		.406	10
*2146	1.000	.188								.408	10
* 651	1.250	.125	.062	.010	.010	.010	.010	.188		.347	14
* 877	1.250	.125	.062							.347	14
*2381	1.250	.125	.187							.340	14
1802	1.250	.188								.521	10
* 127	1.250	.188	.188	.125	.125	.010	.010	.010		.520	9
*3346	1.250	.250								.676	7
*4568	1.500	.065	.125							.233	26
3996	1.500	.156	.156	.078	.078					.535	11
*1805	1.500	.250								.824	7
*1820	1.750	.125								.506	14
*3274	1.750	.188	.188	.031	.031	.031	.031	.375		.710	10
*1316	2.000	.188	.125	.125	.125					.856	9
*1839	2.000	.250								1.124	7
*4437	2.188	.125	.250					.375		.617	14
*4442	2.500	.125	.250					.275		.712	14
*2694	2.500	.187	.187	.125	.125					1.084	9
*2698	2.500	.250	.187	.125	.125					1.428	7
3301	2.500	.250	.250	.031	.031					1.441	7
*5445	4.000	.500	.375	.250	.250					4.505	3
*5109	6.000	.375	.500	.375	.375					5.224	4



ANGLES, Equal Legs - Equal Thickness

SECT. NO.	A	B	t	R	R_1	R_2	R_3	R_4	R_5		Wt/Ft	F
3122	.625	.750	.156	.125		.062					.206	15
*2280	.750	1.000	.125								.232	12
* 49	.750	1.000	.125	.063	.063	.063	.010	.010	.010		.244	14
4409	.750	1.250	.093	.047	.176	.176					.242	14
*4260	.750	1.281	.114								.204	19
2086	.750	1.500	.125	.125	.063	.063					.263	15
* 877	.750	2.500	.188	.250							.322	14
5283	.750	3.000	.114								.705	9
*4164	.800	1.500	.300	.125							.498	15
*4093	.875	1.000	.125	.063	.063	.063					.724	6
2958	1.000	1.125	.093	.093	.093	.093					.262	14
*1320	1.000	1.250	.125	.125	.062	.062	.010	.010	.010		.226	18
*4261	1.000	1.281	.144								.320	13
*5517	1.000	1.500	.094								.370	12
*4062	1.000	1.500	.094	.094	.047	.047					.271	18
*1806	1.000	1.500	.125								.272	18
*4074	1.000	2.500	.125	.187	.094	.094					.362	14
											.511	13

For General Specifications see pages 91, 92 & 93.
*These sections are available in 61S, 63S, 24S and 75S alloys. Also available in 14S alloy if minimum thickness is .125" OR MORE.
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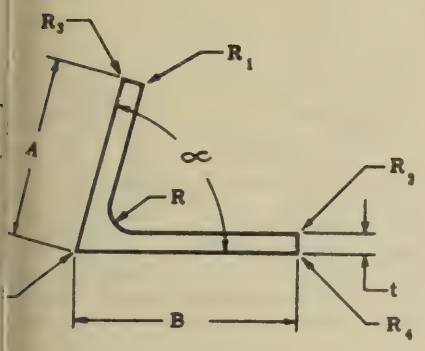
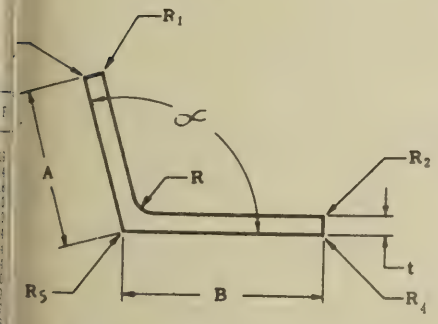


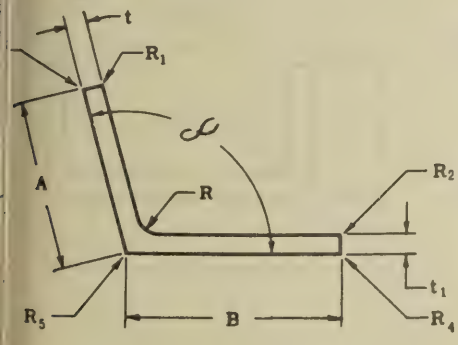
ANGLES, Equal & Unequal Legs - Equal Thickness Angles Less Than 90°

SECT. NO.	A	B	t	R	R_1	R_2	R_3	R_4	R_5	∝	Wt/Ft	F	
*2278	.750	1.000	.072	.094	.062	.062				79-30	.144	22	
*4248	.938	1.000	.094	.094		.094				87-00	.208	18	
*4308	1.000	1.250	.125	.125	.062	.062				87-00	.320	14	
*4190	1.250	1.250	.187	.062						87-00	.518	10	
*2871	3.250	3.250	.250	.120						60-00	2.028	6	



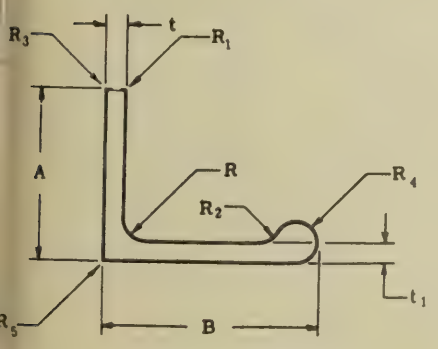
ANGLES, Equal & Unequal Legs - Equal Thickness Angles Greater Than 90°

SECT. NO.	A	B	t	R	R_1	R_2	R_3	R_4	R_5	∝	Wt/Ft	F	
*3829	.875	1.781	.125	.186					.312	99-00	.372	14	
*3244	1.000	1.000	.125							135-00	.293	14	
*3830	1.000	1.562	.100	.125					.218	99-00	.282	18	
*3995	1.000	1.625	.156	.156						110-00	.474	11	
*4186	1.250	1.250	.187	.060		.187	.187			92-00	.505	10	
*4189	1.250	1.250	.187	.062						93-00	.522	10	
*4065	1.250	1.500	.188	.125	.125	.125				96-30	.576	9	
*3978	1.500	2.600	.250	.187	.125	.125				96-00	1.162	7	



ANGLES, Unequal Legs - Unequal Thickness Angles Greater Than 90°

SECT. NO.	A	B	t	t_1	R	R_1	R_2	R_3	R_4	R_5	∝	Wt/Ft	F	
*4181	1.000	1.880	.198	.090	.156	.060	.060				92-30	.413	14	
*3984	1.060	2.100	.200	.100	.120	.100		.100			92-00	.481	13	
*3993	1.600	1.700	.250	.300	.200						93-40	1.013	6	
*4252	1.750	3.500	.219	.438	.125	.016	.016	.016	.016	.016	92-00	2.192	5	
*4006	2.750	4.000	.750	.250	.250	.060	.060				95-00	3.494	4	



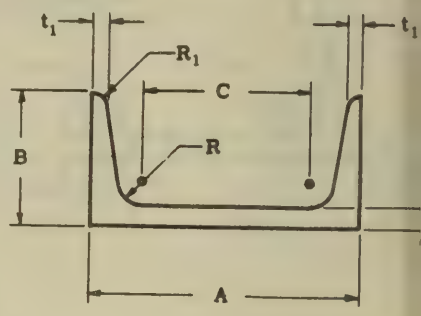
ANGLES, Bulb

SECT. NO.	A	B	t	t_1	R	R_1	R_2	R_3	R_4	R_5	∝	Wt/Ft	F	
*4887	1.000	1.500	.070	.070	.062		.188		.188		90-00	.338	15	
*2673	1.062	1.687	.072	.100	.312		.171		.171	.250	90-00	.374	15	

eral Specifications see pages 91, 92 & 93.
sections are available in 61S, 63S, 24S and 75S alloys. Also available in 14S alloy if minimum
s is .125" OR MORE.
not so marked are available in 61S and 63S only.

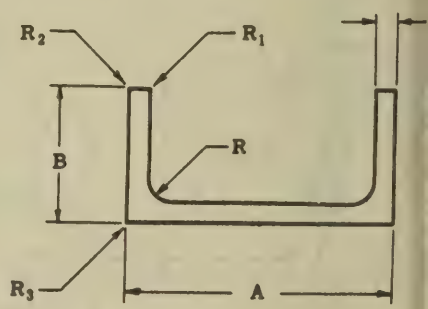
CHANNELS, Standard Structural

SECT. NO	A	B	C	t	t_1	R	R_1		Wt/Ft	F
351	3.000	1.410	1.750	.170	.170	.270	.100		1.435	8
2647	3.000	1.427	1.750	.187	.170	.270	.100		1.526	7
*2646	3.000	1.498	1.750	.258	.170	.270	.100		1.764	6
3657	3.000	1.596	1.750	.356	.170	.270	.100		2.119	5
*2645	4.000	1.580	2.750	.180	.180	.280	.110		1.901	7
*2643	4.000	1.720	2.750	.320	.180	.280	.110		2.579	5
*2642	5.000	1.750	3.750	.190	.190	.290	.110		2.386	7
*2641	5.000	1.885	3.750	.325	.190	.290	.110		3.187	5
*1367	6.000	2.034	4.500	.314	.200	.300	.120		3.736	5
*3163	6.000	2.157	4.500	.437	.200	.300	.120		4.608	4
*3456	7.000	2.110	5.500	.230	.210	.310	.130		3.610	6
*3578	8.000	2.290	6.500	.250	.220	.320	.130		4.344	5
*5554	8.000	2.435	6.250	.395	.220	.320	.130		5.736	4
6668	8.000	2.527	6.250	.487	.220	.320	.130		6.829	4
*2599	10.000	2.600	8.250	.240	.240	.340	.140		5.430	5
6739	10.000	2.886	8.250	.526	.240	.340	.140		8.866	3
6669	12.000	3.170	10.000	.510	.280	.380	.170		10.428	3



CHANNELS, Equal Legs - Equal Thickness

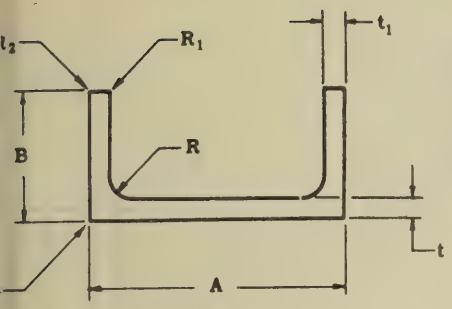
SECT. NO.	A	B	t	R	R_1	R_2	R_3		Wt/FT	F
*4263	.750	.625	.125			.062	.062		.258	14
*4583	.750	.625	.125	.062	.062	.062	.062		.259	14
*4339	.750	.750	.125	.010	.010	.010	.010		.300	14
1210	1.000	.375	.125						.266	14
*4219	1.250	.750	.091	.062	.010	.010	.063		.278	19
2956	1.250	1.000	.093	.093					.348	18
*2911	1.487	1.110	.275						1.043	7
*3241	1.500	.750	.188	.125	.125				.592	9
*3610	1.500	.750	.312						.889	6
*4243	1.563	1.500	.250	.063					1.222	7
*4754	1.750	1.000	.063	.130	.030	.030	.030		.281	26
*4303	1.812	1.000	.187	.094	.094				.772	9
1397	1.969	.875	.078	.063	.039	.039	.063		.532	21
4704	2.000	.750	.100	.035	.050	.050	.050		.393	17
*4455	2.000	.750	.250	.031	.031	.031	.031		.900	7
*4775	2.000	1.000	.063	.130	.030	.030	.030		.300	26
*2018	2.000	1.500	.250	.250	.250				1.348	7
2995	2.250	.500	.125						.450	14
*4408	2.375	1.250	.187	.187					1.027	9
4213	2.500	.750	.100	.035	.050	.050	.050		.454	17
3785	2.500	.750	.100	.250	.050	.050	.125		.478	11
*4206	2.750	1.250	.125	.125	.031	.031	.031		.758	13
4214	3.000	.750	.100	.035	.050	.050	.050		.514	17
* 653	3.000	1.125	.281	.250	.094	.031	.031		1.606	6
*3880	3.125	1.250	.375	.188	.062	.062	.250		2.179	5
*4744	3.938	1.375	.125						.966	14
*4439	3.985	1.344	.102	.250			.352		.760	17
3045	4.000	1.000	.125						.836	14
*3431	4.000	1.250	.500	.031	.125	.125	.015		3.284	4
*5435	4.000	1.500	.125	.010	.010	.010	.010		1.013	14
788	4.500	1.000	.125						.937	14
3304	5.781	1.750	.125	.015	.015	.015	.062		1.352	13



For General Specifications see pages 91, 92 & 93.
*These sections are available in 61S, 63S, 24S and 75S alloys. Also available in 14S alloy if minimum thickness is .125" OR MORE.
Sections not so marked are available in 61S and 63S only.

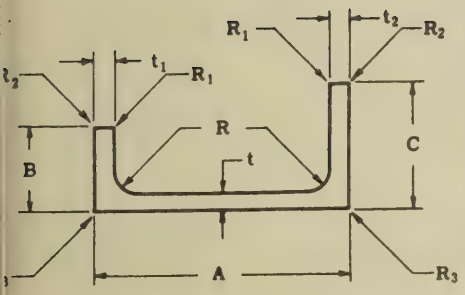
, 1953. Supersedes All Previous Data.

CHANNELS, Equal Legs - Unequal Thickness



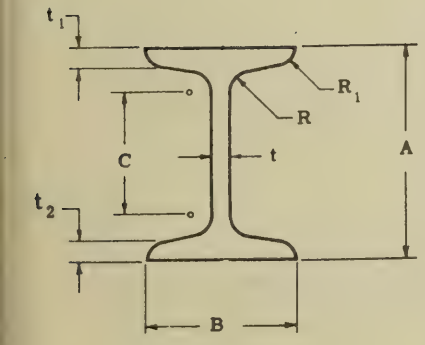
SECT. NO.	A	B	t	t_1	R	R_1	R_2	R_3	Wt/Ft	F	
2625	.708	.844	.125	.094	.062		.031	.062	.268	16	
*4484	1.000	3.700	.280	.160	.060				1.651	10	
*4486	1.000	4.400	.300	.125	.060				1.592	12	
*4067	1.062	.750	.062	.125	.125	.015	.015		.293	17	
2997	1.750	2.000	.375	.125					1.276	8	
2993	2.250	1.500	.188	.250	.187	.062		.219	1.284	8	
*4008	2.500	1.625	.250	.313	.125				1.790	6	
*4479	3.000	1.000	.100	.125	.250	.062	.062	.125	.650	14	
*3742	3.250	1.875	.200	.125	.016	.016	.016	.016	1.283	11	
4279	3.500	.500	.062	.094					.359	25	
*2877	3.500	1.500	.219	.344	.250				2.009	6	
*3743	3.500	1.875	.200	.125	.016	.016	.016	.016	1.343	10	
2896	3.688	.250	.094	.060					.438	19	
*4742	6.000	3.000	.500	.375	.375	.250			5.891	4	
*1154	8.000	2.500	.437	.750	.187	.031	.031	.125	7.920	3	

CHANNELS, Unequal Legs - Equal & Unequal Thickness



SECT. NO.	A	B	C	t	t_1	t_2	R	R_1	R_2	R_3	Wt/Ft	F	
685	.503	.500	1.000	.125	.093	.275					.397	9	
* 787	1.000	.375	1.188	.125	.125	.125					.333	15	
*4576	1.500	1.000	1.100	.063	.063	.080	.090	.030	.030	.030	.287	24	
*3741	1.625	.375	.750	.188	.188	.188	.031			.031	.535	9	
*4554	2.840	1.110	2.100	.125	.125	.125	.160			.030	1.246	9	

"I" BEAMS - Structural Standard



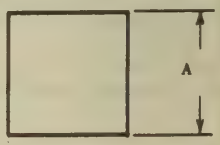
SECT. NO.	A	B	C	t	t_1	R	R_1	Wt/Ft	F	
*2169	3.000	2.330	1.750	.170	.170	.270	.100	2.332	6	
*4016	3.000	2.411	1.750	.251	.170	.270	.100	2.310	6	
*3658	3.000	2.509	1.750	.349	.170	.270	.100	2.653	5	
2655	4.000	2.660	2.750	.190	.190	.290	.110	2.725	6	
*3673	4.000	2.723	2.750	.253	.190	.290	.110	3.000	4	
*2654	4.000	2.796	2.750	.326	.190	.290	.110	3.382	5	
2653	5.000	3.000	3.500	.210	.210	.310	.130	3.536	6	
2652	5.000	3.137	3.500	.210	.347	.310	.130	4.360	5	
*4620	6.000	3.330	4.500	.230	.230	.330	.140	4.248	5	
*2237	7.000	3.755	5.250	.345	.250	.350	.150	6.200	5	
*4780	8.000	4.262	6.250	.532	.270	.370	.160	8.796	3	
*5360	9.000	4.330	7.000	.290		.390	.170	8.080	4	
*4721	10.000	4.660	8.000	.310	.310	.410	.190	8.726	4	

eral Specifications see pages 91, 92 & 93.
ections are available in 61S, 63S, 24S and 75S alloys. Also available in 14S alloy if minimum
is .125" OR MORE.
not so marked are available in 61S and 63S only.

SQUARES

Square Corners

SECT. NO.	A		Wt/Ft.	F		SECT.NO.	A	Wt/Ft.	F
674	.827		.821	4		2074	1.875	4.261	2
1907	1.020		1.246	3		2104	2.000	4.800	2
*1624	1.375		2.290	2		* 794	2.250	6.075	1
*2071	1.625		3.169	2		2100	2.500	7.500	1
*2072	1.750		3.675	2		6649	2.625	8.269	1
						*2098	3.000	10.800	1
						1737	3.250	12.654	1
						2093	3.500	14.700	1
						2095	3.750	16.875	1



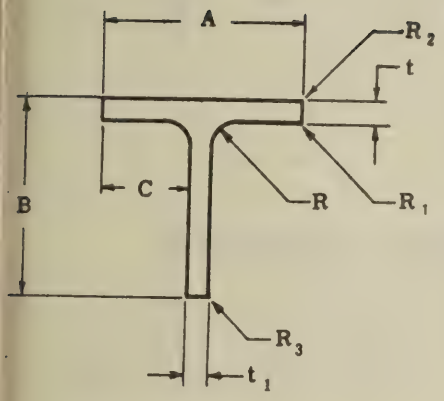
SQUARES

Round Corners

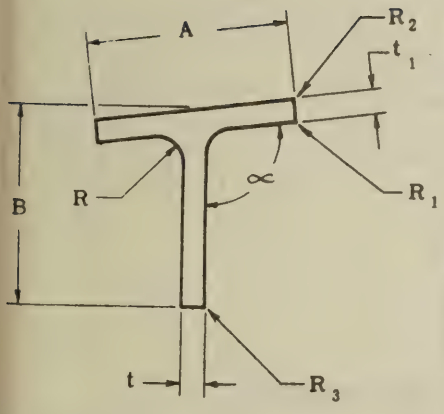
SECT. NO.		A	R		Wt/Ft.	F	
*2510		1.687	.125		3.332	2	
*3313		1.875	.094		4.125	2	
*2059		2.188	.094		5.786	1	
6754		2.781	.706		8.767	1	
1480		8.000	1.000		75.641	1	

For General Specifications see pages 91, 92 & 93.
*These sections are available in 61S, 63S, 24S and 75S alloys. Also available in 14S alloy if minimum thickness is .125" OR MORE.
Sections not so marked are available in 61S and 63S only.

"TEES" - Non Standard

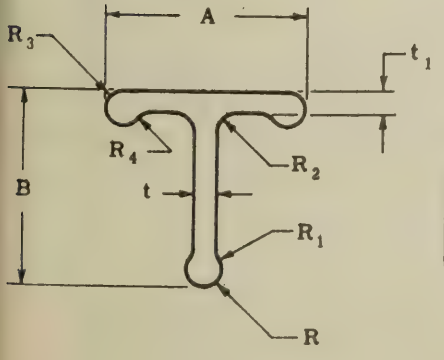


SECT.NO.	A	B	C	t	t_1	R	R_1	R_2	R_3		Wt/Ft.	F	
*1358	.750	.750		.125	.125						.206	15	
2463	.750	.875		.125	.125			.125			.218	14	
*2837	.750	1.000		.125	.125						.244	14	
*4792	.750	1.000		.156	.156						.299	12	
4930	.750	1.250	.312	.125	.125						.281	14	
2746	.875	1.000		.125	.125						.281	14	
*1313	1.000	1.000		.125	.125						.280	14	
2423	1.000	1.250		.156	.156	.094					.350	13	
1049	1.000	1.250		.156	.156	.156					.396	11	
*3505	1.031	.906		.109	.093	.109					.230	16	
*5548	1.250	.875	.562	.125	.125						.300	14	
*4524	1.375	1.000		.125	.250	.188					.487	9	
2927	1.438	1.313		.156	.156						.486	11	
*4513	1.500	1.000		.125	.125						.356	14	
*3441	1.500	1.500		.250	.250	.062	.062	.062	.062		.821	7	
*3018	1.500	1.563		.313	.313	.187	.062	.062	.062		1.045	6	
*2711	1.500	3.000		.188	.188	.062	.010	.010	.010		.973	9	
*4079	1.750	1.250		.109	.109	.062					.380	16	
3065	2.000	.750		.062	.062	.094					.206	26	
* 137	2.000	.875		.070	.090	.090	.035	.035	.045		.253	22	
*2674	2.000	1.125		.156	.188	.125	.125		.093		.580	10	
*2736	2.000	1.500	.938	.188	.125	.125	.125		.062		.644	10	
*4529	2.000	2.000		.094	.094	.156					.454	17	
*4250	2.188	3.062		.250	.188	.500	.016	.016	.016		1.420	7	
*4328	2.250	1.688		.125	.125	.125	.031	.031	.031		.578	13	
*4883	2.250	2.250	.531	.375	.312	.125					1.717	5	
*4078	2.250	2.500		.125	.187	.062	.062	.062	.094		.871	11	
*4553	2.300	1.500		.430	.160	.190	.030	.030	.030		1.410	5	
*4616	2.380	1.690		.660	.880	.250	.060	.060	.440		2.902	3	
*3026	2.500	1.500		.188	.250	.125					.976	8	
*3888	2.500	1.625		.156	.156	.188	.031	.031	.031		.760	11	
*3257	2.500	1.625	1.406	.188	.188	.125	.031	.031	.031		.895	9	
*4251	2.500	3.250		.250	.500	.375	.016	.016	.016		2.622	4	
*4157	2.500	3.500		.250	.125	.188					1.255	9	
*3282	2.750	6.250		.250	.250	.375					2.698	7	
*4584	2.875	2.750		.125	.125	.125					.833	13	
*4167	3.000	1.400		.200	.250	.250					1.112	8	
*4270	3.000	1.500		.187	.187						.967	9	
*3219	3.000	1.500		.188	.188						.973	9	
*4752	3.000	1.750	1.750	.250	.250						1.350	7	
*4073	3.000	1.750	1.240	.250	.320	.100					1.481	6	
*3338	3.000	5.188	.813	.188	.188	.125					1.813	9	
*4161	3.100	3.375		.250	.156	.250					1.547	8	
*2942	3.500	3.500		.500	.500						3.900	4	
*4306	4.375	1.250		.093	.125	.250					.694	16	
*4740	6.000	9.156		.375	.250	.375					5.417	6	



"TEES" - Non Standard Other Than 90°

SECT. NO.	A	B	t	t_1	R	R_1	R_2	R_3	∝		Wt/Ft	F	
*4254	1.875	3.062	.188	.250	.250	.016	.016	.016	92-45		1.230	8	
*5020	1.900	2.130	.100	.131	.125	.016	.016	.016	91-30		.547	14	



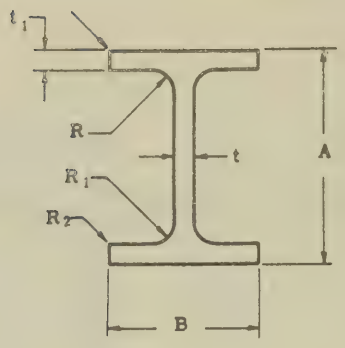
"TEES" Bulb

SECT. NO.	A	B	t	t_1	R	R_1	R2	R_3	R_4		Wt/Ft.	F	
*4335	1.500	.843	.094	.094	.188	.156	.109				.388	13	
*3357	3.375	2.218	.118	.188	.094		.188	.188	.188		1.355	8	

ral Specifications see pages 91, 92 & 93.

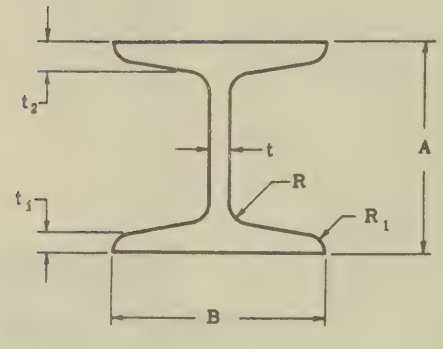
ections are available in 61S, 63S, 24S and 75S alloys. Also available in 14S alloy if minimum is .125" OR MORE.

not so marked are available in 61S and 63S only.



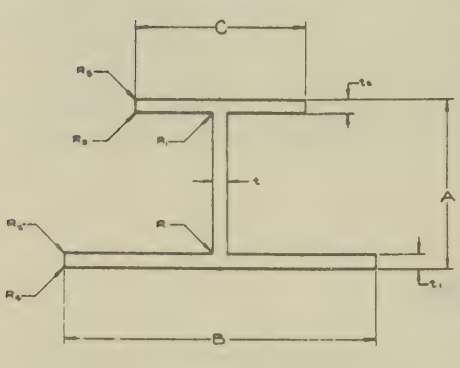
"I" BEAMS - Non Standard

SECT. NO.	A	B	t	t_1	R	R_1	R_2	R_3		Wt/Ft	F	
*3164	2.250	1.500	.250	.250	.125	.125				1.440	7	
*2706	2.625	1.125	.150	.150	.187	.187		.010		.860	11	
*5320	6.000	4.000	.230	.279	.250	.250				4.244	6	



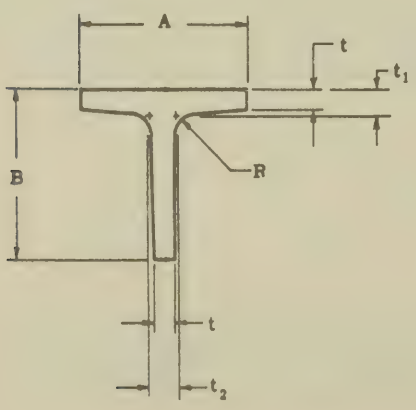
"H" BEAMS - Structural Standard

SECT. NO.	A	B	t	t_1	t_2	R	R_1		Wt/Ft	F	
*5953	5.000	5.000	.313	.330	.503	.313	.165		6.564	4	
*5177	6.000	5.938	.250	.360	.542	.313	.180		7.968	4	
*5555	8.000	7.938	.313	.358	.560	.313	.179		11.424	4	



"H" BEAMS - Special

SECT. NO.	A	B	C	t	t_1	t_2	R	R_1	R_2	R_3	R_4	R_5		Wt/Ft	F	
1357	1.000	1.750	.562	.125	.125	.125	.062	.062						.460	14	
2466	1.000	1.750	1.000	.250	.125	.125					.125			.630	11	
1347	1.125	2.000	.626	.125	.125	.125	.125	.125						.538	12	
3062	1.230	1.250	.375	.156	.156	.156		.031						.480	11	
2428	1.250	1.125	.438	.156	.156	.156	.094	.094						.476	10	
*2426	1.250	2.000	.750	.156	.156	.156	.094	.094						.700	11	
1048	1.250	2.000	.750	.156	.156	.156	.156	.156						.714	11	
*3419	3.000	1.500	.375	.094	.125	.187								.612	16	



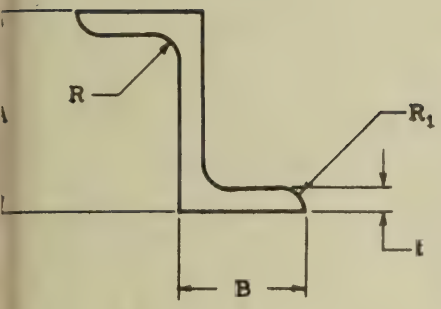
"TEES" - Structural Standard

SECT. NO.	A	B	t	t_1	t_2	R		Wt/Ft	F	
*4713	1.500	1.250	.125	.156	.156	.125		.446	12	
*3724	2.250	2.250	.250	.312	.312	.250		1.452	6	
*3723	2.500	2.500	.312	.375	.375	.250		1.944	5	
*3846	3.000	3.000	.375	.438	.438	.312		2.772	4	
*4290	4.000	2.000	.375	.438	.438	.250		2.759	4	
*4291	5.000	3.000	.375	.438	.625	.375		4.060	4	

For General Specifications see pages 91, 92 & 93.
*These sections are available in 61S, 63S, 24S and 75S alloys. Also available in 14S alloy if minimum thickness is .125" OR MORE.
Sections not so marked are available in 61S and 63S only.

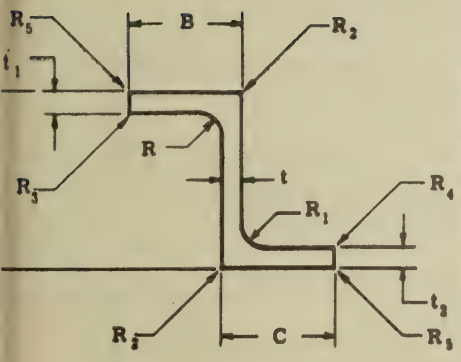
, 1953. Supersedes All Previous Data.

Non-Warehouse Sections



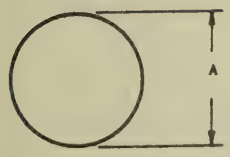
"ZEES" - Structural Standard

SECT. NO.	A	B	t	R	R_1		Wt/Ft	F	
• 813	2.000	1.250	.188	.188	.125		.920	9	
5954	3.000	2.680	.250	.312	.250		2.381	7	



"ZEES" - Non Standard

SECT. NO.	A	B	C	t	t_1	t_2	R	R_1	R_2	R_3	R_4	R_5		Wt/Ft	F	
3380	.841	.685	1.560	.060	.060	.060								.216	28	
954	1.500	.438	.938	.062	.062	.062	.156	.156						.217	25	
•1263	1.625	1.125	1.125	.125	.125	.125	.125	.125	.062	.062	.062	.062		.564	13	
•3517	2.000	.750	.750	.102	.102	.102	.094	.094	.031	.063	.063			.406	16	
•3458	2.000	1.250	1.250	.125	.125	.125								.637	14	
•2848	2.000	2.000	.875	.187	.187	.187	.250	.250						1.023	9	
•3459	2.375	1.250	1.250	.188	.188	.188								1.015	9	
•5002	3.000	1.000	1.000	.140	.080	.140	.190	.190	.060	.031	.031	.031		.613	16	
•5003	3.000	1.100	1.100	.190	.080	.190	.190	.190	.060	.031	.031	.031		.768	13	
•2608	3.187	1.000	2.438	.188	.188	.188	.125	.125	.031	.031	.031	.031		1.429	9	
•3309	8.000	3.000	3.000	.312	.312	.312	.312	.312	.312	.250	.250			4.975	8	



ROUNDS

SECT. NO	A		Wt/Ft	F	
• 7	.500		.238	7	
•7102	.594		.332	6	
• 9	.625		.368	5	
6755	.688		.446	5	
• 11	.750		.529	4	
• 12	.812		.621	4	
•6448	.875		.721	4	
• 15	1.000		.942	3	
•7087	1.031		1.003	3	
6894	1.125		1.193	3	
•7089	1.156		1.260	3	
• 19	1.250		1.472	3	
148	1.312		1.624	3	
• 21	1.375		1.760	2	
• 144	1.500		2.120	2	
• 344	1.562		2.233	2	
6495	1.625		2.489	2	
• 24	1.750		2.826	2	
•1947	1.780		2.980	2	
•1950	1.875		3.313	2	
1953	1.938		3.538	2	
6282	2.000		3.770	2	
•1995	2.063		4.009	2	
•1956	2.125		4.256	2	
7065	2.188		4.510	2	
•1959	2.250		4.771	1	
•6651	2.375		5.316	1	
•6727	2.438		5.599	1	

eral Specifications see pages 91, 92 & 93.
sections are available in 61S, 63S, 24S and 75S alloys. Also available in 14S alloy if minimum
s is .125" OR MORE.
not so marked are available in 61S and 63S only.

ROUNDS

SECT. NO.	A		Wt/Ft	F	
*6654	2.625		6.494	1	
*6003	2.750		7.128	1	
*6862	2.812		7.456	1	
*1876	3.000		8.568	1	
*6336	3.125		9.204	1	
*6005	3.250		9.955	1	
*6652	3.375		10.735	1	
*6034	3.500		11.545	1	
*6653	3.625		12.385	1	
*6391	3.750		13.254	1	
7066	3.875		14.152	1	
*6006	4.000		15.079	1	
*6004	4.250		17.023	1	
*1873	4.500		19.085	1	
*1874	4.750		21.265	1	
6667	5.750		31.160	1	
*6655	6.000		33.929	1	
*6889	6.250		36.816	1	
6661	6.750		42.942	1	
*6975	7.000		46.182	1	
*6376	7.750		56.608	1	

HEXAGON BAR

SECT. NO.	A		Wt/Ft	F	
* 28	.563		.329	E	
*2023	.678		.476	5	
* 30	.687		.491	5	
*6979	.718		.538	5	
* 31	.750		.584	4	
* 32	.813		.686	4	
* 33	.875		.796	4	
*1901	.969		.976	3	
* 34	1.000		1.040	3	
*1903	1.021		1.085	3	
*6947	1.250		1.624	3	
* 152	1.375		1.922	3	
* 146	1.500		2.286	2	
*1640	1.625		2.772	2	
*6650	1.688		2.962	2	
*1639	1.750		3.214	2	
*1636	1.875		3.654	2	
*6467	1.938		3.904	2	
*1689	2.000		4.198	2	
*6439	2.215		4.693	2	
*1897	2.250		5.262	1	
*1759	2.500		6.555	1	
*7078	2.750		7.860	1	
*6331	2.875		8.590	1	
*6468	2.938		8.970	1	

For General Specifications see pages 91, 92 & 93.
*These sections are available in 61S, 63S, 24S and 75S alloys. Also available in 14S alloy if minimum thickness is .125" OR MORE.
Sections not so marked are available in 61S and 63S only.

EXTRUDED SHAPES, ROD, BAR:

Manufacturing Limits (1,2,3)

ALL SHAPES, ROD, BAR . . . . . Alloys & Tempers . . . . . Table I

Product	Alloy	-F	-T42(1)	-O	-T4	-T5	-T6
Col. 1	Col. 2	Col. 3	Col. 4	Col. 5	Col. 6	Col. 7	Col. 8
Solid Shapes Semi-Hollow Shapes	2S	X		X			
	3S	X	-	X	-	-	-
	63S	X	X	X	X(2)	X(2)	X(2)
	61S	X	-	X	X	-	X
Rod. Bar	14S	X	-	X	X	-	X
	24S	X	-	X	X	-	-
	75S	X	-	X	-	-	X
Class 1, 2, and 3 Hollow Shapes	3S	X	-	X	-	-	-
	63S	X	X	X	X(2)	X(2)	X(2)
	61S	X	-	X	X	-	X

(X) Produced in these tempers.
(1) Maximum thickness 0.375-inch for guaranteed minimum mechanical properties.
(2) Maximum thickness 0.500-inch for guaranteed minimum mechanical properties.

SOLID SHAPES, SEMI-HOLLOW SHAPES (1) . . . . Alloys, Sizes . . . . Table II

Circumscribing Circle Diameter Inches (3)	Minimum Thickness, Inch(2) 63S(4)	3S 61S	14S(5)	24S	75S	Minimum Area Sq. In. 14S, 24S, 75S	Maximum Area (6) Sq. In. ALL ALLOY
Col. 1	Col. 2	Col. 3	Col. 4	Col. 5	Col. 6	Col. 7	Col. 8
Under 2	.040	.050	.125	.040(1)	.050(1)	.200	16
2 to (not incl.) 3	.045	.050	.125	.050(1)	.062(1)	.300	16
3 to (not incl.) 4	.050	.050	.125	.063	.078	.500	16
4 to (not incl.) 5	.050	.063	.125	.078	.094	.700	16
5 to (not incl.) 6	.050	.063	.125	.094	.109	1.000	16
6 to (not incl.) 7	.062	.078	.125	.109	.188	2.000	16
7 to (not incl.) 8	.078	.094	.125	.125	.215	-----	16
8 to (not incl.) 10	.109	.109	.125	.188	.375	-----	16
10 to (not incl.) 12	.156	.156	.188	.250	.437	-----	16

(1) - All semi-hollow shapes and 24S or 75S shapes in thickness indicated are subject to special inquiry.

(2) - Applicable to mean thickness if unequal plus and minus tolerances are specified.

(3) - The circumscribing circle diameter is diameter of smallest circle that will completely enclose the cross section of the shape.

(4) - Maximum thickness for 63S-T4, 63S-T5, and 63S-T6 is 0.500-inch for guaranteed minimum mechanical properties.

(5) - Minimum thickness for 14S is 0.125-inch.

(6) - Minimum acceptable area for guaranteed properties. For larger areas contract product supervisor.

NOTES:

(1) - Requirements beyond these standard manufacturing limits are subject to special inquiry.

(2) - These manufacturing limits are applicable to the average shape. Limits wider than those specified may be necessary for some shapes; limits narrower than standard may be possible for other shapes.

(3) - Refer all shapes .200 lb/ft and under to Product Supervisor, Products and Applications Department, General Sales Office, Louisville, Ky.

EXTRUDED SHAPES, ROD, BAR:

Manufacturing Limits (1,2)

CLASS I HOLLOW SHAPES . . . . . Alloys, Sizes . . . . . Table III

Circumscribing Circle Diameter Inches (2)	2S 3S(3) 63S(4)	Minimum Thickness, Inch(1)			Maximum Overall Size	Minimum Inside Diameter Inch
		61S	14S(5) 24S(5)	75S(4)		
Col. 1	Col. 2	Col. 3	Col. 4	Col. 5	Col. 6	Col. 7
Under 4	.050	.062	.156	.219	12-1/4 inch Circumscribing Circle Diameter(2)	Half(6) Circumscribing Circle Diameter But in No Case Under 1 inch
4 to (not incl.) 5	.062	.062	.156	.250		
5 to (not incl.) 6	.062	.078	.188	.281		
6 to (not incl.) 7	.078	.094	.219	.312		
7 to (not incl.) 8	.094	.125	.250	.375		
8 to (not incl.) 9	.125	.156	.281	.438		
9 to (not incl.) 10	.156	.188	.312	.500		
10 to (not incl.) 11	.188	.219	.375	----		
11 to (not incl.) 12-1/4	.219	.250	.438	----		

(1) - Applicable to mean thickness if unequal plus and minus tolerances are specified.

(2) - The circumscribing circle diameter is diameter of smallest circle that will completely enclose the cross section of the shape.

(3) - Maximum thickness for 63S-T42 is .375-inch for guaranteed minimum mechanical properties.

(4) - Maximum thickness for 63S-T5, and 63S-T6 is 0.500-inch for guaranteed minimum mechanical properties.

(5) - Tolerances applicable to 14S, 24S, and 75S Class I hollow shapes are subject to special inquiry.

(6) - Two-thirds circumscribing circle diameter for diameters under 4 inches.

CLASS II HOLLOW SHAPES . . . . . Alloys, Sizes . . . . . Table IV

Circumscribing Circle Diameter Inches (2)	Minimum Thickness, Inch(1)		Maximum Overall Size	Minimum Hole Size
	2S, 3S 63S(3)	61S		
Col. 1	Col. 2	Col. 3	Col. 4	Col. 5
Under 1	.050	.062	5 Inch Circumscribing Circle Diameter(2)	0.110 Square Inch Area(4)
1 to (not incl.) 2	.055	.062		
2 to (not incl.) 3	.062	.078		
3 to (not incl.) 4	.078	.094		
4 to (not incl.) 5	.094	.109		

(1) - Applicable to mean thickness if unequal plus and minus tolerances are specified.

(2) - The circumscribing circle diameter is diameter of smallest circle that will completely enclose the cross section of the shape.

(3) - Maximum thickness for 63S-T42 is 0.375-inch; for 63S-T4, 63S-T5, and 63S-T6, maximum thickness is 0.500-inch for guaranteed minimum mechanical properties.

(4) - Areas less than 0.110-square inch, but otherwise qualifying as Class II hollow shapes, fall into Class III. See Pages 5 - 2 - 2, 3 for classification definitions.

NOTES:

(1) - Requirements beyond these standard manufacturing limits are subject to special inquiry.

(2) - These manufacturing limits are applicable to the average shape. Limits wider than those specified may be necessary for some shapes; limits narrower than standard may be possible for other shapes.

(3) - Refer all shapes .200 lb/ft and under to Product Supervisor, Products and Applications Department, General Sales Office, Louisville, Ky.

EXTRUDED SHAPES, ROD, BAR:

Manufacturing Limits:

ALL SHAPES, ROD, BAR . . . . . Lengths . . . . . Table V

Weight Per Lineal Foot (Pounds)	Maximum Length in Feet		
	Temper -F, -T42	Temper -O	Temper -T4, -T5, -T6
Col. 1	Col. 2	Col. 3	Col. 4
Under 2	60	30	40
2 to (not incl.) 3	50	30	40
3 to (not incl.) 6	40	30	40
6 to (not incl.) 10	30	30	30
10 to (not incl.) 15	25	25	25
15 to (not incl.) 25	20	20	20

Minimum Quantities:

MINIMUM QUANTITY FOR EACH SECTION				
	Weight of Section - lbs. per foot			
	Under .200	.201 to .500	.501 to 1.500	1.501 Plus
Pounds	300	400	500	1,000

Shipping Tolerance:

Amount of Order	Shipping Tolerance
Under 500 Pounds	10% plus or minus
500 to (not including) 10,000 Pounds	5% plus or minus
10,000 Pounds and over	3% plus or minus

Identification:

When required, extruded sections will be marked with government specification number and/or alloy and temper, at no extra charge. Other marking requirements are subject to special inquiry.

Preservation:

When required material will be oiled (with red engine oil "C") in accordance with good commercial practice. (See page 5-6-4 for applicable charges.)

March 30, 1953. Supersedes All Previous Data.

GENERAL ARCHITECTURAL SPECIFICATIONS

Five basic considerations must be included in all architectural aluminum specifications which are listed as follows:

1. ALLOY AND TEMPER
2. GAUGE, DIMENSIONS OR SECTION NUMBERS OF ALUMINUM USED
3. FINISH
4. PROTECTION AGAINST DISSIMILAR MATERIALS
5. PROTECTIVE COATING DURING CONSTRUCTION

ALLOY AND TEMPER

Aluminum sheet generally specified as 3S Alloy, H14.
Aluminum extruded shapes generally specified as 63S-T5.
Aluminum structurals generally specified as 61S-T6.
Ingot for architectural sand castings
Alloy:

43 sand, for general purposes. Anodizing produces gray color.
214 sand, bright finish in as cast condition, good machinability.
F214 sand, improved anodized finish over 214, matching alloy 63S.
356 sand, for higher strength than 43, usually with T6 heat treatment, fair machinability

Application:

Spandrels	Alloy 43
Newels (Post)	Alloy 43 & 214
Letters & Tablets	Alloy 43 & 214
Grilles	Alloy 43
Structurals	Alloy 356
Railing Caps	Alloy 43 & 214

These standard sand casting alloys are generally available for immediate shipment from stock.

Aluminum castings generally specified as 43, F-214, 214 and 356. Castings for ornamental plaques and decorative type casting work are generally specified in 43 alloy. For posts and frames or other applications requiring semi-structural qualities, F-214, 214 Alloy is specified. For casting alloys requiring strength, structural requirements for architectural applications, 356-T6.

For specific designs and special requirements such as finish, a slight variation of the above tempers and alloys may be used and the nearest Reynolds Representative should be contacted for this information.

GAUGE AND DIMENSIONS

Sheet gauges vary considerably depending on the application. For example, aluminum flashing is used in .019 and .024 gauge. Aluminum coping and gravel stops when sheet is used in place of extrusions .032 to .050 gauge should be used. Aluminum sheet for spandrels, partitions or other flat panel work should have a minimum gauge of .064 to .125.

Extruded sections such as handrails, ornamental shapes, coping and gravel stops and etc., must be specified by Reynolds Metals Company extruded section number. For example, Reynolds Metals Company gravel stop No. 3133.

Structurals generally are specified by dimensions and weight per foot. For example, structural angle 2" x 2" x 3/8" - 1.638 lb/ft.

Tubing generally specified by outside dimensions and wall thickness. For example, 1-3/4" x 2-1/4" x 1.25" or round tubing 3" O.D. x .125.

FINISHES

Finishes of aluminum vary from a bright high polish to a black or color. The corrosion resistance depends to a great degree on finish and alloy. All alloys mentioned in "ALLOY AND TEMPER" are the best to secure good finish and corrosion resistance. Aluminum sheet and extruded tubing are often given a satin finish, plus a 30 minute anodize for superior corrosion resistance and appearance. For a complete explanation of aluminum finishes, we refer you to Reynolds Metals Company's technical manual "Finishes for Aluminum".

March 30, 1953. Supersedes All Previous Data.

Every day advances are being made in new types of architectural finishes. Should you in your design have use for a finish other than the normal standard aluminum finish, please contact the local Reynolds Architectural Representative.

PROTECTION AGAINST DISSIMILAR MATERIALS

All aluminum surfaces in contact with masonry shall be painted with a heavy coat of bituminous or zinc chromate paint. All aluminum surfaces in contact with dissimilar materials shall be given a heavy coating of bituminous or zinc chromate paint. The use of copper or steel in contact with aluminum should be avoided when possible. If such contact cannot be avoided, the surfaces in contact shall be protected with a zinc chromate or bituminous paint. Conditions allowing draining of copper compounds on bare aluminum shall not be accepted.

PROTECTIVE COATING DURING CONSTRUCTION

A protective coating of transparent hard coating of commercial wax or a liquid vinyl type plastic shall be applied when necessary to all exposed aluminum surfaces prior to installation. This is to protect the aluminum finish against contact with foreign materials such as mortar and concrete during the construction period. When wax is specified, the contractor should be responsible for removal of dirt from the aluminum surfaces and allowing wax residue to remain. If liquid vinyl type plastic is specified, the contractor shall remove this protective coating from the aluminum surface after construction has been completed.

The contractor, before starting any work shall verify governing dimensions at the building and examine all adjoining work on which this work is in any way dependent for its acceptable installation according to the intent of this specification. He shall prepare and submit shop drawings, outlining in detail the various sections of the work, the kind of material, the size of members, the method of securing same together and to the work of other trades.

Fabrication and construction shall be in strict accordance with recommended standards of Reynolds Metals Company.

PLEASE CONSULT THE REYNOLDS METALS COMPANY'S ARCHITECTURAL REPRESENTATIVE FOR DETAILS ON SPECIFICATIONS TO APPLY ON A SPECIAL OR SPECIFIC APPLICATION.

SPECIFICATIONS FOR ARCHITECTURAL ALUMINUM

GENERAL CONDITIONS - The "General Conditions of the contract for the Construction of Buildings" Standard Form of the American Institute of Architects, latest edition, are hereby made a part of this specification.

SCOPE OF WORK - Contractors shall furnish all labor and materials to completely install all architectural aluminum as indicated on the drawings or specified herein.

MATERIALS

(See General Specifications)

A. Sheet items shall be made from commercial aluminum alloy_____, temper shall be _____.

B. Extruded shapes shall be made from commercial aluminum alloy_____, temper shall be _____, section number and description shall be_____, weight per lineal foot shall be_____.

C. Structural shapes shall be made from commercial aluminum alloy_____, temper shall be_____, section number and description shall be_____, weight per lineal foot shall be _____.

D. Castings shall be made from commercial aluminum alloy_____and shall conform to shapes and sizes as shown on drawings.

FABRICATION & ERECTION

(See General Specifications)

GENERAL

A. Insofar as possible, work shall be fitted and shop assembled, ready for erection.

B. Work shall be executed in strict accord with approved models, drawings, details and shop drawings.

C. Architectural aluminum shall be fabricated according to manufacturers recommendations. The finish used on sheet items shall be _____, the finish on extruded shapes shall be _____, structural shapes shall be finished _____, and castings shall be finished _____.

FABRICATION

A. Shop connections unless otherwise shown shall be RIVETED (or) BRAZED (or) WELDED (or) SCREWED. Field connections unless otherwise shown shall be RIVETED (or) BRAZED (or) WELDED (or) BOLTED (or) SCREWED. Where shown, work shall be BLIND RIVETED (or) BRAZED. Unless otherwise shown or specified all screws, rivets, and like fastenings shall be countersunk and finish flush with surfaces to which applied. Where metal parts (in the future may have to be taken apart) and fastenings are unavoidably exposed, countersink them sufficiently so that fastening heads will register flush with metal finish surfaces AS SHOWN ON DRAWINGS (or) AS FOLLOWS

ERECTION

A. Work shall be made and erected square, plumb, straight, and true, accurately fitted with tight joints and intersections, riveted parts, where so shown, to be MADE WITH COUNTERSUNK HEADS (or) MADE WITH BLIND RIVETS (or) BRAZED AND WELDED all work adequately reinforced, and anchored in place.

METAL FINISHES

A. Plain surfaces, flat and moulded, shall be thoroughly cleaned and finished, SMOOTH (or) _____. Ornamental must be delicately hand chased and finished SMOOTH (or) _____ with undercutting where necessary to restore or exactly reproduce the details of the DRAWINGS (or) MODELS. Filling will be permitted only in the ornamental parts, and then only the necessary filling consistent with the finest grade of work. The metal used for filling shall be the same as that from which the casting is made and shall match the same in every respect so that the filling shall not be perceptible.

B. Finishes of exposed metal shall conform to requirements as SHOWN (or) SPECIFIED. Irregularity of line and surface of PATTERN (or) _____ shall be correctly reproduced in form, feeling, texture, and color.

C. Aluminum finish shall be ETCHED (or) ENGRAVED (or) ENAMELED (or) SANDBLASTED (or) BRUSHED (or) POLISHED (or) APPLIED COLORS BY ANODIC TREATMENT (or) _____

PROTECTION AGAINST DISSIMILAR MATERIALS

A. All aluminum surfaces in contact with masonry shall be painted with A HEAVY COAT OF BITUMINUS PAINT (or) ZINC CHROMATE PAINT. The use of copper and steel in contact with aluminum should be avoided when possible. If such contact cannot be avoided, the surface in contact shall be protected with a ZINC CHROMATE (or) BITUMINUS PAINT. Conditions allowing drainage of copper compounds on bare aluminum shall not be accepted.

PROTECTIVE COATING DURING CONSTRUCTION

A. A protective coating where necessary shall be a TRANSPARENT HARD COATING OF COMMERCIAL WAX (or) A LIQUID VINYL TYPE PLASTIC shall be applied to all exposed aluminum surfaces prior to installation.

B. When wax is specified, the contractor shall be responsible for removal of dirt from the aluminum surfaces and allowing wax residue to remain.

C. If liquid vinyl type plastic is specified, the contractor shall remove this protective coating from the aluminum surface after construction has been completed.

REYNOLDS METALS COMPANY

GENERAL SALES DIVISION

2500 South Third Street

Louisville 1, Kentucky

Aluminum Mill Products:

Sheet - Plate - Wire - Cable - Rod - Bar - Tubing - Pipe - Extruded Shapes - Rolled Shapes - Foil - Powders - Pastes

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Evansville 8, Indiana	100 North Main Street.	2-3231
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Hartford, Connecticut	919 Albany Avenue	6-3912
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Indianapolis, Indiana	1803 North Meridian Street	Hickory 7527
Jacksonville, Florida	3614 Mimosa Dr. Spring Park (Res.)	
Kansas City 2, Missouri.	297 Plaza Theatre Building	Jefferson 3536
Little Rock, Arkansas.	319 Commercial National Bank Building	4-6472
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More . . . . . .

Reynolds Field Service Offices (cont'd.)

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